



No. 44



30 OCTOBER 2004

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nga.mil/>**



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster\_nss@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<b>Observer</b>	<b>Ship/Organization</b>
Thomas Cornelius, Master	M/V JUEMMEGAS
Leo B. Durano, Master	M/V FLORIDA STAR I

**Cover Photo: U.S. Coast Guard Cutter Eagle (WIX-327)** is a three-masted sailing barque serving as a school ship for the United States Coast Guard. Homeported at the Coast Guard Academy in New London, CT, she is the only active (operational) commissioned sailing vessel in the U.S. maritime services. The ship was built at the Blohm & Voss shipyard in Hamburg, Germany and was launched the **Horst Wessel** on 13 June 1936. Originally commissioned as a school ship for the German Reichsmarine, she eventually served as a cargo ship during WWII. Confiscated by the U.S. following the War, she was commissioned into the Coast Guard Service in 1946 as the **Eagle**. She has a sparred length of 295 feet, a beam of 39 feet, and a displacement of 1755 tons. She carries 22 sails (21,244 square feet of sailing area) and can reach a speed of 17 knots under full sail. The **Eagle** has a standing crew of 29 sailors and six officers; on training missions she carries a crew of 38 sailors, 12 officers, and 150 to 175 cadets. Each year she takes two long training cruises to the Caribbean or Europe, and two shorter ones along the U.S. East Coast.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 44/04**

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
NEW PRODUCTS  
OR SERVICES  
IMPORTANT  
CHANGES

**30 October 2004**

## **UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION**

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) IS TRANSITIONING FROM PRODUCING AND DISTRIBUTING HARD COPY NAUTICAL SAFETY PRODUCTS TO DIGITAL DISSEMINATION. EFFECTIVE WITH U.S. NOTICE TO MARINERS NUMBER 1, 2005, NGA WILL NO LONGER DISTRIBUTE HARD COPY VERSIONS OF THE WEEKLY NOTICE TO MARINERS AND WILL MAKE THEM AVAILABLE FREE OF CHARGE VIA THE INTERNET. SEE SECTION III.

### **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

### **UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE**

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. SEE SECTION III.

### **MANDATORY AREA TO BE AVOIDED OFF THE NORTHEAST COAST OF NEW ZEALAND**

THE INTERNATIONAL MARITIME ORGANIZATION (IMO) HAS ANNOUNCED THAT A NEW AREA TO BE AVOIDED HAS BEEN ADOPTED FOR THE POOR KNIGHTS ISLANDS, OFF THE NORTHEAST COAST OF THE NORTH ISLAND OF NEW ZEALAND EFFECTIVE 0001 GMT ON 1 DECEMBER 2004. FOR DETAILS, SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 44/04**

<b>500</b> (INT 810)	8Ed. 6/03	LAST NM 41/03	44/04	<b>★11324</b>	33Ed. 9/03	LAST NM 43/04	44/04
Relocate	Superbuoy ODAS "46066" from			Add	Danger circle "Obstn" [K40] (awash) (PA)		29°21'00"N 94°46'00"W
	53°15'N 155°09'W to	52°42'N 155°01'W					(35/04 CG8)
	(34/04 CG17)						
<b>513</b> (INT 813)	7Ed. 6/04	LAST NM 34/04	44/04	<b>11326</b>	32Ed. 11/03	LAST NM 43/04	44/04
Add	Superbuoy ODAS [Q58] "46071" Y,			Change	<b>(Page A)</b> Legend to "38 FT 2004"		29°36'55"N 94°57'32"W
	Fl(4) Y 20s	51°19'N 179°06'E			(See 15/04-11326)		
	(NTM0002/2004)			Change	<b>(Page A, Inset 1)</b> Legend to "36 FT FOR WIDTH OF 300 FT JUL 2004"		29°40'56"N 94°59'42"W
					(See 37/04-11326)		
<b>520</b>	127Ed. 8/22/81	LAST NM 35/04	44/04	Add	<b>(Page C)</b> Danger circle "Obstn" [K40] (awash) (PA)		29°21'00"N 94°46'00"W
Relocate	Superbuoy ODAS "46066" from						(NOS; 35/04 CG8)
	53°15'N 155°09'W to	52°42'N 155°01'W					
	(34/04 CG17)						
<b>521</b>	11Ed. 7/18/81	LAST NM 20/04	44/04	<b>★11327</b>	31Ed. 8/03	LAST NM 38/04	44/04
Add	Superbuoy ODAS [Q58] "46071" Y,			Change	Legend to "38 FT JUL 2004"		29°36'54"N 94°57'31"W
	Fl(4) Y 20s	51°19'N 179°06'E			(See 1/04-11327)		
	(NTM0002/2004)						(NOS)
<b>523</b>	8Ed. 7/6/96	LAST NM 26/04	44/04	<b>★11328</b>	23Ed. 8/03	LAST NM 43/04	44/04
Relocate	Superbuoy ODAS "46066" from			Delete	Buoy "1"		29°43'46.8"N 95°01'27.6"W
	53°15'N 155°09'W to	52°42'N 155°01'W			Buoy "3"		29°43'48.0"N 95°01'26.8"W
				Change	Legend to "36 FT FOR WIDTH OF 300 FT JUL 2004"		29°40'57"N 94°59'37"W
	Add Superbuoy ODAS [Q58] "46071" Y,				(See 37/04-11328)		(NOS; 35/04 CG8)
	Fl(4) Y 20s	51°19'N 179°06'E		<b>11329</b>	35Ed. 9/03	LAST NM 38/04	44/04
	(34/04 CG17; NTM0002/2004)			Delete	Buoy "1"		29°43'46.8"N 95°01'27.6"W
<b>530</b>	30Ed. 3/23/02	LAST NM 42/04	44/04		Buoy "3"		29°43'48.0"N 95°01'26.8"W
Relocate	Superbuoy ODAS "46066" from						(35/04 CG8)
	53°15'N 155°09'W to	52°42'N 155°01'W					
	Add Superbuoy ODAS [Q58] "46071" Y,			<b>★11330</b>	15Ed. 10/03	LAST NM 43/04	44/04
	Fl(4) Y 20s	51°19'N 179°06'E		Add	Submerged well (cov 210ft) [L20] marked by buoy G, QG (Priv)		28°13.1'N 92°55.5'W
	(34/04 CG17; NTM0002/2004)						(35/04 CG8)
<b>★531</b>	22Ed. 3/04	LAST NM 21/04	44/04	<b>★11340</b>	68Ed. 6/03	LAST NM 43/04	44/04
Relocate	Superbuoy ODAS "46066" from			Delete	Platform		28°01.6'N 93°19.0'W
	53°15'N 155°09'W to	52°42'N 155°01'W			Platform		28°06.8'N 93°02.3'W
	(34/04 CG17)				Danger circle "Obstn" (PA)		29°05.1'N 90°10.8'W
<b>532</b>	17Ed. 2/3/96	LAST NM 20/04	44/04		Danger circle "Obstn"		29°03.5'N 90°11.5'W
Relocate	Superbuoy ODAS "46066" from				(Supersedes 40/04-11340)		
	53°15'N 155°09'W to	52°42'N 155°01'W		Add	Submerged well (cov 35fms) [L20] marked by buoy G, QG (Priv)		28°13.1'N 92°55.5'W
	Add Superbuoy ODAS [Q58] "46071" Y,				Submerged well (cov 35fms) [L20] marked by buoy W Or, Fl 2.5s (Priv)		28°14.6'N 92°00.7'W
	Fl(4) Y 20s	51°19'N 179°06'E			Depth 4½ fathoms Wk		29°03.2'N 90°15.4'W
	(34/04 CG17; NTM0002/2004)						(NOS; 35/04 CG8)
<b>550</b>	7Ed. 2/9/85	LAST NM 6/03	44/04	<b>★11344</b>	35Ed. 12/02	LAST NM 43/04	44/04
Add	Dangerous wreck [K28]	25°56'N 120°48'E		Add	Tabulation of controlling depths from Subsection I-2		
	Dangerous wreck [K28]	23°31'N 119°23'E					(NOS)
	(34(886), 37(962)04 Tokyo)			<b>★11347</b>	34Ed. 5/04	LAST NM 43/04	44/04
<b>1115A</b>	Ed. 10/02	LAST NM 41/04	44/04	Relocate	Light "60" from 29°50'16.4"N 93°20'48.0"W to		29°50'19.2"N 93°20'47.9"W
Add	Dangerous wreck [K28] (PA)	29°19.0'N 88°50.0'W		Change	Legend to "37 FT AUG 2004"		30°06'09"N 93°18'45"W
	(NOS)				(See 38/04-11347)		
<b>1116A</b>	Ed. 6/03	LAST NM 43/04	44/04	Add	Tabulation of controlling depths from Subsection I-2		
Delete	Platform	28°01.6'N 93°19.0'W					
	Platform	28°06.8'N 93°02.3'W		Change	<b>(Side B)</b> Legend to "37 FT AUG 2004"		30°06'21"N 93°18'25"W
	Danger circle "Obstn" (PA)	29°05.1'N 90°10.8'W			Legend to "40 FT AUG 2004"		30°06'28"N 93°17'15"W
	Danger circle "Obstn"	29°03.5'N 90°11.5'W					
	(Supersedes 40/04-1116A)						
Add	Submerged well (cov 35fms) [L20] marked by buoy G, QG (Priv)	28°13.1'N 92°55.5'W					
	Submerged well (cov 35fms) [L20] marked by buoy W Or, Fl 2.5s (Priv)	28°14.6'N 92°00.7'W					
	Depth 4½ fathoms Wk	29°03.2'N 90°15.4'W					
	(NOS; 35/04 CG8)						
<b>11323</b>	60Ed. 9/03	LAST NM 40/04	44/04				
Add	Danger circle "Obstn" [K40] (awash) (PA)	29°21'00"N 94°46'00"W					
	(35/04 CG8)						

(continued on next page)

<b>11347</b>	(Continued)			
Add	Dashed line (range bearing line) between			
		30°05'12.5"N 93°19'50.7"W		
		30°05'23.8"N 93°19'36.5"W		
	Dashed line (range bearing line) between			
		30°06'00.5"N 93°18'52.8"W		
		30°06'32.0"N 93°18'15.0"W		
	<b>(Side B, Inset 1)</b>			
Delete	Light	30°08'09.4"N 93°19'12.3"W		
	Light	30°08'11.2"N 93°19'06.4"W		
Relocate	Light from 30°08'09.3"N 93°19'14.2"W to			
		30°08'10.7"N 93°19'06.8"W		
	Light from 30°08'08.1"N 93°19'17.9"W to			
		30°08'08.4"N 93°19'14.2"W		
	Light from 30°08'06.3"N 93°19'22.7"W to			
		30°08'05.8"N 93°19'21.8"W		
Change	Legend to "40 FT AUG 2004"	30°10'54.5"N 93°18'26.5"W		
	Legend to "34 FT AUG 2004"	30°12'36.5"N 93°16'46.0"W		
	Legend to "29 FT AUG 2004"	30°13'19.5"N 93°16'35.0"W		
	Legend to "33 FT AUG 2004"	30°13'58.5"N 93°14'45.0"W		
	Legend to "29 FT AUG 2004"	30°13'14.0"N 93°14'27.0"W		
	Legend to "38 FT AUG 2004"	30°13'30.0"N 93°15'53.9"W		
	(Supersedes 39/04-11347)			
Add	Tabulation of controlling depths from			
	Subsection I-2			
	(NOS; 35/04 CG8)			
<b>★11348</b>	20Ed. 8/03 LAST NM 36/04			44/04
	<b>(Side A)</b>			
Change	Legend to "37 FT AUG 2004"	30°06'30"N 93°18'04"W		
	Legend to "40 FT AUG 2004"	30°06'22"N 93°17'15"W		
	(See 24, 36/04-11348)			
	(NOS)			
<b>★11351</b>	38Ed. 3/03 LAST NM 43/04			44/04
Delete	Platform	29°11'27"N 91°37'00"W		
	(35/04 CG8)			
<b>11352</b>	37Ed. 12/03 LAST NM 43/04			44/04
Delete	Danger circle "Obstn" (PA)	29°05.0'N 90°11.0'W		
	Danger circle "Obstn" (PA)	29°03.5'N 90°11.5'W		
	Dangerous wreck	29°04.9'N 90°13.7'W		
Add	Depth 28 feet Wk	29°03.2'N 90°15.4'W		
	(NOS)			
<b>★11356</b>	35Ed. 7/03 LAST NM 43/04			44/04
Delete	Platform	28°36'07"N 91°28'22"W		
Add	Platform [L10]	28°42'36"N 91°14'16"W		
	(35/04 CG8)			
<b>★11357</b>	36Ed. 7/03 LAST NM 38/04			44/04
Delete	Danger circle "Obstn" (PA)	29°05'02"N 90°11'00"W		
	Danger circle "Obstn" (PA)	29°03'32"N 90°11'30"W		
	Legend "Shl rep" and arrow	29°04'30"N 90°14'05"W		
	Dangerous wreck (PA)	29°04'55"N 90°13'42"W		
	Position circle "Subm pile" (PA)	29°05'14"N 90°13'33"W		
Add	Depth 28 feet Wk	29°03'14"N 90°15'22"W		
	Dangerous wreck [K28] (PA)	29°05'22"N 90°13'36"W		
	(NOS)			
<b>11358</b>	52Ed. 6/03 LAST NM 43/04			44/04
Delete	Danger circle "Obstn" (PA)	29°05'02"N 90°11'02"W		
	Danger circle "Obstn" (PA)	29°03'32"N 90°11'29"W		
	(NOS)			
<b>11360</b>	40Ed. 10/02 LAST NM 41/04			44/04
Add	Dangerous wreck [K28] (PA)	29°19.0'N 88°50.0'W		
	(NOS)			
<b>11361</b>	71Ed. 12/03 LAST NM 41/04			44/04
Add	Dangerous wreck [K28] (PA)	29°19'01"N 88°50'00"W		
	(NOS)			
<b>11362</b>	4Ed. 6/10/00 LAST NM N41/04			N44/04
Add	Dangerous wreck [K28] (PA)	29°19.0'N 88°50.0'W		
	(NOS)			
<b>★11363</b>	39Ed. 9/03 LAST NM 43/04			44/04
Add	Dangerous wreck [K28] (PA)	29°19'01"N 88°50'00"W		
	Platform [L10]	29°48'57"N 88°41'44"W		
	(NOS; 35/04 CG8)			
<b>11365</b>	17Ed. 10/02 LAST NM 38/04			44/04
	<b>(Side B)</b>			
Delete	Danger circle "Obstn" (PA)	29°05'01.0"N 90°11'00.0"W		
	Danger circle "Obstn" (PA)	29°03'32.0"N 90°11'29.0"W		
	Legend "Shoaling rep" and arrow	29°04'36.0"N 90°13'46.0"W		
	Dangerous wreck (PA)	29°04'53.6"N 90°13'41.2"W		
	Position circle "Subm pile" (PA)	29°05'15.2"N 90°13'32.4"W		
Substitute	Dangerous wreck [K28] (PA) for			
	stranded wreck (PA)	29°05'21.8"N 90°13'36.3"W		
Add	Depth 28 feet Wk	29°03'14.4"N 90°15'22.1"W		
	(NOS)			
<b>11366</b>	8Ed. 10/03 LAST NM 43/04			44/04
Delete	Danger circle "Obstn" (PA)	29°05.0'N 90°11.0'W		
	Danger circle "Obstn" (PA)	29°03.5'N 90°11.5'W		
Add	Dangerous wreck [K28] (PA)	29°19.0'N 88°50.0'W		
	(NOS)			
<b>11378</b>	33Ed. 2/04 LAST NM 43/04			44/04
	<b>(Side A)</b>			
Delete	Beacons "1", "3", "4", "5", "7" and "10"			
	between	30°21'44.1"N 87°06'51.8"W		
		30°21'53.0"N 87°06'51.7"W		
Relocate	Light "2" from 30°21'43.9"N 87°06'50.2"W to			
		30°21'56.1"N 87°06'52.6"W		
	(35/04 CG8)			
<b>★11383</b>	50Ed. 10/03 LAST NM 43/04			44/04
Delete	Beacons "1", "3", "4", "5", "6", "9" and "10"			
	between	30°21'44.1"N 87°06'52.4"W		
		30°21'52.8"N 87°06'53.0"W		
Relocate	Light "2" from 30°21'43.7"N 87°06'51.2"W to			
		30°21'56.1"N 87°06'52.6"W		
	(35/04 CG8)			
<b>★12225</b>	55Ed. 8/04 NEW EDITION			44/04
	(NOS)			
<b>12318</b>	42Ed. 5/04 LAST NM 36/04			44/04
	<b>(Inset)</b>			
Delete	Buoy "1"	39°21'02"N 74°23'39"W		
	(See 36/04-12318)			
	(27/04 CG5)			
<b>★13215</b>	18Ed. 8/04 NEW EDITION			44/04
	(NOS)			
<b>★13279</b>	31Ed. 8/04 NEW EDITION			44/04
	(NOS)			
<b>13288</b>	40Ed. 2/2/02 LAST NM 43/04			44/04
Relocate	Buoy "1" from 43°45'45"N 69°52'15"W to			
		43°45'46"N 69°52'09"W		
	(39/04 CG1)			
<b>★13290</b>	35Ed. 8/03 LAST NM 43/04			44/04
Relocate	Buoy "1" from 43°45'45"N 69°52'15"W to			
		43°45'46"N 69°52'09"W		
	(39/04 CG1)			



<b>16665</b>	(Continued)			
Add	Purple dashed line (cable area) joining	61°14'42"N 150°01'31"W 61°13'12"N 150°01'31"W 61°13'00"N 150°01'25"W 61°13'00"N 150°01'10"W 61°12'50"N 150°01'10"W 61°12'50"N 150°01'20"W 61°12'15"N 150°00'57"W		
	Depth 56 feet	61°13'59"N 149°57'14"W		
	Depth 49 feet	61°14'00"N 149°56'53"W		
	Depth 48 feet	61°14'05"N 149°56'21"W		
	Depth 29 feet	61°14'14"N 149°56'18"W		
	Depth 45 feet	61°14'16"N 149°55'45"W		
	Depth 30 feet	61°14'24"N 149°55'42"W		
	Depth 12 feet	61°14'26"N 149°56'23"W		
	Depth 45 feet	61°14'38"N 149°55'34"W		
	Depth 48 feet	61°14'50"N 149°55'49"W		
	Depth 13 feet	61°15'42"N 149°54'57"W		
	Danger circle "Obstn" [K40] (Supersedes 42/04-16665)	61°15'00"N 149°53'12"W		
	<b>(Inset)</b>			
Delete	Depth 66 feet	61°13'57.6"N 149°57'06.8"W		
	Depth 53 feet	61°14'11.0"N 149°56'11.3"W		
	Depth 27 feet	61°15'43.5"N 149°54'54.3"W		
	Depth 66 feet	61°14'07.4"N 149°56'24.5"W		
	Depth 63 feet	61°14'51.9"N 149°55'51.7"W		
	Depth 46 feet	61°14'35.2"N 149°56'10.1"W		
Add	Depth 56 feet	61°13'58.9"N 149°57'13.8"W		
	Depth 49 feet	61°14'00.0"N 149°56'53.5"W		
	Depth 48 feet	61°14'05.0"N 149°56'20.8"W		
	Depth 29 feet	61°14'13.8"N 149°56'17.6"W		
	Depth 45 feet	61°14'16.2"N 149°55'45.0"W		
	Depth 30 feet	61°14'24.4"N 149°55'42.0"W		
	Depth 12 feet	61°14'26.2"N 149°56'23.1"W		
	Depth 45 feet	61°14'37.5"N 149°55'33.7"W		
	Depth 48 feet	61°14'49.7"N 149°55'48.6"W		
	Depth 24 feet	61°14'35.9"N 149°56'09.0"W		
	Depth 13 feet	61°15'41.5"N 149°54'57.0"W		
	Danger circle "Obstn" [K40] (NOS; 38/04 CG17)	61°15'00.0"N 149°53'12.0"W		
<b>★17376</b>	7Ed. 8/04 NEW EDITION (NOS)		44/04	
<b>★17426</b>	14Ed. 8/04 NEW EDITION (NOS)		44/04	
<b>17428</b>	7Ed. 2/25/95 LAST NM 29/04 Add Buoy "AGS" Fl 4s (Priv) (32/04 CG17)	55°20'08"N 131°37'59"W	44/04	
<b>★17430</b>	10Ed. 2/7/98 LAST NM 13/04 Add Buoy "AGS" Fl 4s (Priv) (32/04 CG17)	55°20'08"N 131°37'59"W	44/04	
<b>17434</b>	12Ed. 6/04 LAST NM 33/04 Add Buoy "AGS" Fl 4s (Priv) (32/04 CG17)	55°20'08"N 131°37'59"W	44/04	
<b>24028</b>	6Ed. 8/11/01 LAST NM 28/04 Change Light to Fl(2) 10M (30/3393)04 Taunton)	5°57.6'N 55°13.0'W	44/04	
<b>24240</b>	5Ed. 6/13/98 LAST NM 52/03 Change Characteristic of buoy to L Fl 10s	3°28.9'S 38°48.5'W	44/04	
	Add Pilot station symbol [T1.1] (31/3430)04 Taunton)	3°28.5'S 38°47.8'W		
<b>24250</b>	5Ed. 1/31/98 LAST NM 22/04 Change Characteristic of buoy to L Fl 10s	3°28.9'S 38°48.5'W	44/04	
	Add Pilot station symbol [T1.1] (31/3430)04 Taunton)	3°28.5'S 38°47.8'W		
<b>24370</b>	1Ed. 8/31/85 LAST NM 1/04 Change Light to Fl(2) 15s 7m 10M (30/3393)04 Taunton)	5°57.4'N 55°13.0'W	44/04	
<b>24375</b>	2Ed. 8/22/98 LAST NM 38/03 <b>(Panel A)</b> Change Light to Fl(2) 15s 7m 10M (30/3393)04 Taunton)	5°57'25"N 55°13'03"W	44/04	
<b>25482</b>	16Ed. 7/25/98 LAST NM 43/04 Relocate Beacon from 12°52'47"N 61°12'02"W to (33/3705)04 Taunton)	12°52'52"N 61°12'01"W	44/04	
<b>25575</b>	4Ed. 6/10/95 LAST NM 18/04 Add "Dredged to 10.6m (2004)" area [I22] bound by shore, channel limit and dashed lines between joining and delete all hydrography within above area (See 14/04-25575) <b>(Plan)</b> "Dredged to 10.6m (2004)" area [I22] bound by shore, channel limit and dashed lines between joining and delete all hydrography within above area (30/3353)04 Taunton)	17°07'25"N 61°51'12"W 17°07'29"N 61°51'16"W 17°07'32"N 61°51'28"W 17°07'33"N 61°51'40"W 17°07'31"N 61°51'39"W 17°07'25.2"N 61°51'11.8"W 17°07'29.4"N 61°51'16.2"W 17°07'31.8"N 61°51'28.2"W 17°07'33.0"N 61°51'39.7"W 17°07'31.2"N 61°51'39.0"W	44/04	
<b>★26188</b>	11Ed. 6/3/95 LAST NM 15/04 <b>(Plan C)</b> Add Dangerous wreck [K28] with legend "Rep (2004)" (PA) (NTM0012/2004)	18°26'49.2"N 73°05'36.0"W	44/04	
<b>35002</b>	Ed. 10/93 LAST NM N42/04 Change Characteristic of buoy to Q(9) 15s and delete Racon (D) (See N37/04-35002) (39/4360)04 Taunton)	55°17.0'N 3°26.6'E	N44/04	
<b>35005</b>	Ed. 7/94 LAST NM N42/04 Add Legend "Former Mined Area (see Note)" between Note from Subsection I-2 Depth 130 meters Wk (unsurveyed) [K30] PA (39/4359, 4361)04 Taunton)	58°07.0'N 1°00.0'W 57°58.0'N 1°00.0'W 57°04.7'N 1°34.0'E 58°06.1'N 0°53.7'E	N44/04	
<b>35055</b>	Ed. 8/93 LAST NM N42/04 Add Legend "Former Mined Area (see Note)" between Note from Subsection I-2 (39/4361)04 Taunton)	58°08.0'N 1°08.5'W 57°58.0'N 1°08.5'W 58°18.7'N 3°39.0'W	N44/04	
<b>37039</b>	Ed. 11/6/03 LAST NM N42/04 Relocate Buoy "Long Sand Outer" from (39/4369)04 Taunton)	51°35'52"N 1°26'35"E to 51°36'00"N 1°26'18"E	N44/04	
<b>37050</b>	9Ed. 6/29/96 LAST NM 32/04 Substitute Depth 7.3 meters for 10 meters Depth 9.5 meters for 13 meters (42/27)03 Brest)	48°44'14"N 3°57'29"W 48°41'56"N 4°11'47"W	44/04	
<b>37052</b>	Ed. 5/27/04 LAST NM N42/04 Delete Buoy "Long Sand Outer" Buoy "Long Sand Inner"	51°35'52.2"N 1°26'35.4"E 51°38'46.2"N 1°25'59.4"E	N44/04	

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## SECTION I

NM 44/04

<b>37052</b>	(Continued)				50°59'31.7"N 1°49'42.0"E 50°59'10.8"N 1°49'55.2"E
Add	Buoy "Long Sand Outer" RW, spherical, L Fl 10s	51°36'00.0"N 1°26'18.0"E	(28(22)01, 13(31)04 Brest)		
	Buoy "Long Sand Inner" RW, spherical, Mo(A) 15s	51°38'48.0"N 1°25'36.0"E			
	(39(4369)04 Taunton)				
<b>37080</b>	3Ed. 12/28/96 LAST NM 37/04			44/04	
Delete	Topmark from beacon (See 26/04-37080)	48°40.5'N 2°05.6'W			
	(4(18)02 Brest)				
<b>37095</b>	3Ed. 10/26/96 LAST NM 38/04			44/04	
Add	Buoy (wavemeter) Y, spherical, Fl(5) Y 20s	49°41.6'N 1°37.3'W			
	(42(26)03 Brest)				
<b>37103</b>	9Ed. 7/18/98 LAST NM 26/04			44/04	
Delete	Radio tower symbol and legend "(R Lts)"	50°41'58.2"N 1°34'15.0"E			
	(13(32)04 Brest)				
<b>37104</b>	3Ed. 4/25/98 LAST NM 41/02			44/04	
Delete	Radio tower symbol and legend "PYLON (R Lts) Radio Station"	50°41'58.2"N 1°34'15.0"E			
	(13(32)04 Brest)				
<b>37106</b>	4Ed. 1/23/99 LAST NM 26/04			44/04	
Delete	Radio tower symbol and legend "(R Lts)"	50°41'58"N 1°34'15"E			
	(13(32)04 Brest)				
<b>37110</b>	11Ed. 4/24/99 LAST NM 38/04			44/04	
Delete	Radio mast symbol (13(32)04 Brest)	50°42.0'N 1°34.3'E			
<b>37115</b>	2Ed. 5/10/97 LAST NM 32/04			44/04	
Delete	Position circle "TR" (13(32)04 Brest)	50°42.0'N 1°34.3'E			
<b>37120</b>	2Ed. 3/22/97 LAST NM 39/04			44/04	
Delete	Position circle "TR"	50°42.0'N 1°34.3'E			
Add	Depth 9.2 meters enclosed by depth contour (10-meter)	51°01.3'N 1°50.3'E			
	(42(25)03, 13(32)04 Brest)				
<b>37121</b>	11Ed. 3/1/97 LAST NM 39/04			44/04	
Add	Depth 17.4 meters	50°59'19"N 1°46'56"E			
	Depth 18.5 meters enclosed by depth contour (20-meter)	50°59'22"N 1°47'26"E			
	Depth 9.2 meters enclosed by depth contour (10-meter)	51°01'19"N 1°50'16"E			
	(42(25)03, 13(31)04 Brest)				
<b>37125</b>	15Ed. 8/24/96 LAST NM 39/04			44/04	
Add	Depth 17.4 meters	50°59'19"N 1°46'56"E			
	Depth 18.5 meters enclosed by depth contour (20-meter)	50°59'22"N 1°47'26"E			
	Depth 9.2 meters enclosed by depth contour (10-meter)	51°01'19"N 1°50'16"E			
	"Spoil Ground" area [N62.1] bound by dashed line joining	50°58'52"N 1°48'43"E 50°59'11"N 1°48'30"E 50°59'32"N 1°49'42"E 50°59'11"N 1°49'55"E			
	(28(22)01, 42(25)03, 13(31)04 Brest)				
<b>37126</b>	8Ed. 7/4/98 LAST NM 39/04			44/04	
Add	Depth 17.4 meters enclosed by depth contour (20-meter)	50°59'19.2"N 1°46'55.8"E			
	Depth 18.5 meters enclosed by depth contour (20-meter)	50°59'21.6"N 1°47'25.8"E			
	"Spoil Ground" area [N62.1] bound by dashed line joining	50°58'52.1"N 1°48'43.2"E 50°59'10.7"N 1°48'30.0"E			
	(28(22)01, 13(31)04 Brest)				
<b>37140</b>	33Ed. 5/25/96 LAST NM 39/04			44/04	
Add	Depth 9.2 meters enclosed by depth contour (10-meter)	51°01.3'N 1°50.3'E			
	(42(25)03 Brest)				
<b>37228</b>	14Ed. 7/25/98 LAST NM 30/03			44/04	
Change	Vertical clearance of bridge to 3.8 meters (Ger CH 46)	53°48'09.0"N 9°04'52.0"E			
<b>37264</b>	3Ed. 9/13/97 LAST NM 37/04			44/04	
Add	Buoy (wavemeter) Y, spherical, Fl(5) Y 20s	49°41'38.4"N 1°37'16.8"W			
	(42(26)03 Brest)				
<b>37330</b>	2Ed. 7/12/97 LAST NM 33/04			44/04	
Delete	Depth 29 meters Wk PD	49°18.8'N 2°59.9'W			
	Depth 46 meters Wk PD	49°24.9'N 3°05.1'W			
Substitute	Depth 7.3 meters for 10 meters	48°44.2'N 3°57.5'W			
	Depth 9.5 meters for 13 meters	48°41.9'N 4°11.8'W			
Add	Depth 52 meters Wk [K29]	49°18.5'N 2°59.9'W			
	Depth 60 meters Wk [K29]	49°24.8'N 3°02.8'W			
	(42(27)03 Brest)				
<b>37461</b>	9Ed. 7/8/00 LAST NM 37/04			44/04	
Change	(Plan) Light to Fl R 5s 18m 3M	43°20'30.9"N 3°01'41.5"W			
	Light to QR 5m 1M	43°20'13.6"N 3°01'01.8"W			
	Characteristic of buoy to QG (See 36/03-37461)	43°20'09.0"N 3°00'59.5"W			
	(5(28)04 Cadiz; Spn LL)				
<b>42580</b>	5Ed. 6/24/95 LAST NM 40/03			44/04	
Delete	Light and legend "(Destroyed)" (10(1267)04 St. Petersburg)	66°30.8'N 44°23.0'E			
<b>42620</b>	5Ed. 6/24/95 LAST NM 38/03			44/04	
Delete	Beacon (10(1267)04 St. Petersburg)	65°11.8'N 39°56.6'E			
<b>42740</b>	5Ed. 7/22/95 LAST NM 40/03			44/04	
Delete	Light (10(1267)04 St. Petersburg)	68°14.6'N 44°14.8'E			
<b>44041</b>	7Ed. 4/3/93 LAST NM 41/04			44/04	
Change	Light to L Fl(3) WRG 30s 24m 20-17M and sectors between 005°30' and 163°30' to white 005°30'-112°, red-163°30'	57°35'41"N 11°37'59"E			Note: Remaining sectors unchanged
Add	Sectors white 012°-029°30', red-088°, green- 179°48', white-193°, red-350°06', green-012° to light	57°38'19"N 11°40'58"E			
	(32(2048, 2063)04 Norrkoping)				
<b>44042</b>	7Ed. 8/22/92 LAST NM 42/04			44/04	
Delete	Range lights (2), range line and legend "Lts in line 080°00'" between	57°41'29.4"N 11°55'16.2"E 57°40'56.0"N 11°49'30.0"E			
	Range beacons (2), range line and legend "Beacons in line 029°00'" between	57°40'48.6"N 11°44'00.0"E 57°34'35.0"N 11°37'36.0"E			
Change	Sectors of light to white 012°-029°30', red- 088°, green-179°48', white-193°, red-350°06', green-012°	57°38'18.6"N 11°40'58.2"E			
	Light to QR and delete sector limits	57°39'41.3"N 11°46'08.8"E			

(continued on next page)

**44042** (Continued)  
 Light to L Fl(3) WRG 30s 24m 20-17M and sectors between 005°30' and 163°30' to white 005°30'-112°, red-163°30' 57°35'41.4"N 11°37'58.8"E  
 Note: Remaining sectors unchanged  
 (32(2048, 2063)04 Norrkoping)

**44043** 8Ed. 11/30/96 LAST NM 41/04 44/04  
 Change Sectors of light to white 012°-029°30', red-088°, green-179°48', white-193°, red-350°06', green-012° 57°38'19"N 11°40'58"E  
 Light to L Fl(3) WRG 30s 24m 20-17M and sectors between 005°30' and 163°30' to white 005°30'-112°, red-163°30' 57°35'41"N 11°37'59"E  
 Note: Remaining sectors unchanged  
 (32(2048, 2063)04 Norrkoping)

**44069** 16Ed. 3/15/97 LAST NM 32/04 44/04  
 Add Buoy Y, spar, Fl(5) 20s with legend "ODAS" 54°10.5'N 11°56.6'E  
 (44(16)03 Hamburg)

**44100** 7Ed. 3/9/96 LAST NM 40/04 44/04  
 Add Buoy Y, spar, Fl(5) 20s with legend "ODAS" 54°10.5'N 11°56.6'E  
 (44(16)03 Hamburg)

**44205** 2Ed. 4/9/94 LAST NM 43/04 44/04  
 Delete Buoy 60°39'11.0"N 17°23'27.0"E  
 Buoy 60°39'08.0"N 17°23'29.0"E  
 Relocate Buoy from 60°39'02.3"N 17°23'20.0"E to 60°39'02.3"N 17°23'15.8"E  
 Add Buoy G, spar, Fl(2) G 6s 60°39'10.7"N 17°23'30.2"E  
 Buoy R, spar, Fl(2) R 6s 60°39'09.2"N 17°23'32.1"E  
 (34(2089)04 Norrkoping)

**44400** 4Ed. 9/7/96 LAST NM 43/04 44/04  
 (Plan)  
 Change Characteristic of light to Fl R 3s 58°22'07.2"N 24°27'42.0"E  
 (9(113)04 Tallinn)

**53180** 10Ed. 1/21/95 LAST NM 35/04 44/04  
 Delete Danger circle "Obstn (Marine Farm)" and buoy in vicinity 38°10.8'N 14°45.9'E  
 (8(918)03 Taunton)

**53203** 11Ed. 3/23/96 LAST NM 5/03 44/04  
 Change Light to Fl R 2s 10m 2M 35°59'26"N 14°19'47"E  
 Add Depth 23 meters Wk [K26] 35°57'52"N 14°26'00"E  
 (54/04 Valletta; BA CH 2538)

**53204** 10Ed. 2/10/96 LAST NM 1/04 44/04  
 Delete Light 35°59'26.0"N 14°19'46.0"E  
 Add Double solid line (breakwater extension) between 35°59'26.0"N 14°19'46.0"E 35°59'27.0"N 14°19'47.4"E  
 Light Fl R 2s 10m 2M 35°59'26.4"N 14°19'46.8"E  
 Depth 26 meters Wk [K26] 35°57'52.2"N 14°26'00.0"E  
 (54/04 Valletta; BA CH 2538)

**P 54115** 3Ed. 8/31/02 LAST NM 36/04 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining 44°36.0'N 13°38.9'E 44°06.7'N 14°05.8'E 44°05.9'N 14°04.0'E 44°36.0'N 13°36.6'E  
 Purple heavy dashed line (outside limit of northbound traffic lane) between 44°08.2'N 14°08.8'E 44°36.0'N 13°43.6'E  
 Purple heavy dashed line (outside limit of southbound traffic lane) between 44°04.4'N 14°01.0'E 44°36.0'N 13°32.0'E

Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°10.0'N 13°58.0'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°25.0'N 13°44.5'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°09.5'N 14°05.5'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°27.0'N 13°49.5'E

Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining 44°36.0'N 12°57.9'E 44°26.0'N 13°03.5'E 43°58.3'N 13°52.5'E 44°00.8'N 13°55.0'E 44°28.0'N 13°06.8'E 44°36.0'N 13°01.4'E

Purple heavy dashed line (outside limit of northbound traffic lane) joining 44°02.8'N 13°57.4'E 44°30.5'N 13°08.5'E 44°36.0'N 13°05.1'E

Purple heavy dashed line (outside limit of southbound traffic lane) joining 43°55.8'N 13°50.0'E 44°23.5'N 13°01.0'E 44°36.0'N 12°54.1'E

Open outlined arrow indicating flow of traffic [M10] oriented 308° 44°04.0'N 13°52.0'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 308° 44°18.0'N 13°27.5'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 336° 44°33.5'N 13°05.0'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 159° 44°31.5'N 12°58.5'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 44°12.5'N 13°24.0'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 43°59.5'N 13°47.0'E

Precautionary area [M16] bound by purple dashed line joining 43°49.7'N 14°01.2'E 43°59.8'N 14°16.6'E 44°08.2'N 14°08.8'E 44°06.7'N 14°05.8'E 44°05.9'N 14°04.0'E 44°04.4'N 14°01.0'E 44°02.8'N 13°57.4'E 44°00.8'N 13°55.0'E 43°58.3'N 13°52.5'E 43°55.8'N 13°50.0'E

"AREA TO BE AVOIDED" bound by chart border and purple composite line joining 44°36.0'N 13°24.4'E 44°34.5'N 13°25.5'E 44°25.3'N 13°37.5'E 44°17.0'N 13°43.8'E 44°13.5'N 13°38.7'E 44°30.5'N 13°08.5'E 44°36.0'N 13°07.8'E

Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.  
 (NTM0021/2004)

**P 54120** 5Ed. 9/19/92 LAST NM 36/04 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining 44°00'00"N 13°54'10"E 43°58'18"N 13°52'28"E 44°00'00"N 13°49'28"E  
 Purple heavy dashed line (outside limit of southbound traffic lane) between 43°55'48"N 13°49'58"E 44°00'00"N 13°42'32"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 43°58'45"N 13°48'00"E  
 (continued on next page)

## SECTION I

NM 44/04

## P 54120 (Continued)

Precautionary area [M16] bound by chart border and purple dashed line joining

44°00'00"N	14°16'28"E
43°59'51"N	14°16'37"E
43°49'39"N	14°01'11"E
43°55'48"N	13°49'58"E
43°58'18"N	13°52'28"E
44°00'00"N	13°54'10"E

Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.

(NTM0021/2004)

## P 54125 3Ed. 8/17/02 LAST NM 47/03 44/04

Add Purple tint area (traffic separation zone) [M13] bound by limit joining

44°05.9'N	14°04.0'E
44°06.7'N	14°05.8'E
44°55.3'N	13°21.2'E
44°54.8'N	13°19.6'E

Purple heavy dashed line (outside limit of northbound traffic lane) between

44°08.2'N	14°08.8'E
44°56.9'N	13°24.7'E

Purple heavy dashed line (outside limit of southbound traffic lane) between

44°04.4'N	14°01.0'E
44°53.2'N	13°16.2'E

Open outlined arrow indicating flow of traffic [M10] oriented 147°

44°48.0'N	13°23.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 147°

44°15.5'N	13°53.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 327°

44°19.0'N	13°56.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 327°

44°41.5'N	13°36.5'E
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Purple tint area (traffic separation zone) [M13] bound by limit joining

44°00.0'N	13°54.0'E
44°00.8'N	13°55.0'E
44°28.0'N	13°06.8'E
44°44.5'N	12°55.7'E
44°43.8'N	12°53.5'E
44°26.0'N	13°03.5'E
44°00.0'N	12°49.5'E

Purple heavy dashed line (outside limit of northbound traffic lane) joining

44°02.8'N	13°57.4'E
44°30.5'N	13°08.5'E
44°45.4'N	12°59.4'E

Purple heavy dashed line (outside limit of southbound traffic lane) joining

44°00.0'N	13°42.6'E
44°23.5'N	13°01.0'E
44°43.1'N	12°50.2'E

Open outlined arrow indicating flow of traffic [M10] oriented 308°

44°08.5'N	13°44.0'E
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Open outlined arrow indicating flow of traffic [M10] oriented 308°

44°24.5'N	13°16.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 336°

44°37.5'N	13°02.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 159°

44°36.2'N	12°56.0'E
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Open outlined arrow indicating flow of traffic [M10] oriented 128°

44°20.5'N	13°10.0'E
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Open outlined arrow indicating flow of traffic [M10] oriented 128°

44°12.0'N	13°25.0'E
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Precautionary area [M16] bound by chart border and purple dashed line joining

44°00.0'N	14°16.4'E
44°08.2'N	14°08.8'E
44°06.7'N	14°05.8'E
44°05.9'N	14°04.0'E
44°04.4'N	14°01.0'E
44°02.8'N	13°57.4'E
44°00.8'N	13°55.0'E
44°00.0'N	13°54.0'E

"AREA TO BE AVOIDED" bound by purple composite line joining

44°13.5'N	13°38.7'E
44°17.0'N	13°43.8'E
44°25.3'N	13°37.5'E
44°34.5'N	13°25.5'E
44°41.9'N	13°25.0'E
44°52.0'N	13°17.1'E
44°52.0'N	13°05.8'E
44°30.5'N	13°08.5'E

Purple tint area (traffic separation zone) [M13] bound by limit joining

45°08.6'N	13°06.5'E
45°09.4'N	13°11.0'E
45°23.2'N	13°06.5'E
45°21.5'N	13°02.6'E

Purple heavy dashed line (outside limit of northbound traffic lane) between

45°10.5'N	13°17.2'E
45°22.5'N	13°13.3'E

Purple heavy dashed line (outside limit of southbound traffic lane) between

45°07.5'N	13°00.4'E
45°19.0'N	12°56.9'E

Open outlined arrow indicating flow of traffic [M10] oriented 347°

45°15.5'N	13°12.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 167°

45°13.7'N	13°02.2'E
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Purple tint area (traffic separation zone) [M13] bound by limit joining

44°55.3'N	12°44.0'E
44°56.8'N	12°48.0'E
45°12.7'N	12°36.0'E
45°11.3'N	12°32.0'E

Purple heavy dashed line (outside limit of northbound traffic lane) between

44°57.5'N	12°50.5'E
45°13.6'N	12°38.8'E

Purple heavy dashed line (outside limit of southbound traffic lane) between

44°54.2'N	12°41.5'E
45°10.4'N	12°29.5'E

Open outlined arrow indicating flow of traffic [M10] oriented 333°

45°02.0'N	12°45.3'E
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Open outlined arrow indicating flow of traffic [M10] oriented 333°

45°09.8'N	12°40.0'E
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Open outlined arrow indicating flow of traffic [M10] oriented 153°

45°08.5'N	12°32.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 153°

45°00.0'N	12°39.0'E
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Purple tint area (traffic separation zone) [M13] bound by limit joining

45°31.3'N	13°20.9'E
45°35.5'N	13°32.6'E
45°37.0'N	13°32.8'E
45°32.8'N	13°20.0'E

Purple heavy dashed line (outside limit of eastbound traffic lane) between

45°29.3'N	13°22.1'E
45°34.2'N	13°32.2'E

Purple heavy dashed line (outside limit of westbound traffic lane) between

45°34.7'N	13°18.9'E
45°38.7'N	13°32.8'E

Open outlined arrow indicating flow of traffic [M10] oriented 058°

45°32.5'N	13°27.0'E
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Open outlined arrow indicating flow of traffic [M10] oriented 248°

45°35.5'N	13°25.5'E
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Purple tint area (traffic separation zone) [M13] bound by limit joining

45°35.2'N	13°35.0'E
45°35.0'N	13°39.5'E
45°36.4'N	13°37.5'E

Purple heavy dashed line (outside limit of eastbound traffic lane) between

45°34.2'N	13°35.0'E
45°34.0'N	13°39.4'E

Purple tint area (traffic separation zone) [M13] bound by limit joining

45°36.3'N	13°39.7'E
45°35.4'N	13°41.0'E
45°36.3'N	13°41.8'E

Open outlined arrow indicating flow of traffic [M10] oriented 094°

45°34.6'N	13°37.5'E
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Open outlined arrow indicating flow of traffic [M10] oriented 315°

45°36.3'N	13°39.5'E
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Purple tint area (traffic separation zone) [M13] bound by limit joining

45°40.3'N	13°38.0'E
45°40.3'N	13°37.3'E
45°42.7'N	13°37.3'E
45°42.7'N	13°38.0'E

Purple heavy dashed line (outside limit of northbound traffic lane) between

45°40.3'N	13°38.7'E
45°42.7'N	13°38.7'E

(continued on next page)

**P 54125** (Continued)  
 Purple heavy dashed line (outside limit of southbound traffic lane) between  
     45°42.7'N 13°36.5'E  
     45°40.3'N 13°36.5'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 000° 45°41.6'N 13°38.4'E  
 Open outlined arrow indicating flow of traffic [M10] oriented 180° 45°41.6'N 13°37.0'E  
 Precautionary area [M16] bound by purple dashed line joining  
     45°34.2'N 13°32.2'E  
     45°35.5'N 13°32.6'E  
     45°37.0'N 13°32.8'E  
     45°38.7'N 13°32.8'E  
     45°36.4'N 13°37.5'E  
     45°35.2'N 13°35.0'E  
     45°34.2'N 13°35.0'E

Note: Above Traffic Separation Schemes become effective 0001 GMT on 1 December 2004 and have been adopted by IMO.

(NTM0021/2004)

**P 54140** 7Ed. 9/5/92 LAST NM 51/03 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by limit joining  
     44°05'54"N 14°03'58"E  
     44°06'42"N 14°05'46"E  
     44°55'18"N 13°21'10"E  
     44°54'48"N 13°19'34"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
     44°08'12"N 14°08'46"E  
     44°56'54"N 13°24'40"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
     44°04'24"N 14°00'58"E  
     44°53'12"N 13°16'10"E

Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°42'10"N 13°29'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°14'30"N 13°54'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°17'52"N 13°57'30"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°46'00"N 13°32'15"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
     43°58'18"N 13°52'28"E  
     44°00'48"N 13°54'58"E  
     44°28'00"N 13°06'46"E  
     44°44'30"N 12°55'40"E  
     44°43'48"N 12°53'30"E  
     44°26'00"N 13°03'28"E

Purple heavy dashed line (outside limit of northbound traffic lane) joining  
     44°02'48"N 13°57'22"E  
     44°30'30"N 13°08'28"E  
     44°45'24"N 12°59'24"E

Purple heavy dashed line (outside limit of southbound traffic lane) joining  
     43°55'48"N 13°49'58"E  
     44°23'30"N 13°00'58"E  
     44°43'06"N 12°54'06"E

Open outlined arrow indicating flow of traffic [M10] oriented 308° 44°06'30"N 13°48'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 308° 44°24'00"N 13°16'30"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 336° 44°38'22"N 13°02'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 159° 44°35'15"N 12°56'15"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 44°22'37"N 13°06'10"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 44°01'30"N 13°44'00"E

Precautionary area [M16] bound by chart border and purple dashed line joining  
     44°00'45"N 14°15'00"E  
     44°08'12"N 14°08'46"E  
     44°06'42"N 14°05'46"E  
     44°05'54"N 14°03'58"E  
     44°04'24"N 14°00'58"E  
     44°02'48"N 13°57'22"E  
     44°00'48"N 13°54'58"E  
     43°58'18"N 13°52'28"E  
     43°55'48"N 13°49'58"E

43°49'39"N 14°01'11"E  
 43°58'15"N 14°15'00"E

"AREA TO BE AVOIDED" bound by purple composite line joining  
     44°13'30"N 13°38'40"E  
     44°17'00"N 13°43'46"E  
     44°25'18"N 13°37'28"E  
     44°34'30"N 13°25'28"E  
     44°41'54"N 13°24'58"E  
     44°52'00"N 13°17'04"E  
     44°52'00"N 13°05'46"E  
     44°30'30"N 13°08'28"E

Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
     45°00'00"N 12°45'33"E  
     44°56'48"N 12°47'58"E  
     44°55'18"N 12°43'58"E  
     45°00'00"N 12°40'26"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
     44°57'30"N 12°50'28"E  
     45°00'00"N 12°48'39"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
     44°54'12"N 12°41'28"E  
     45°00'00"N 12°37'10"E

Open outlined arrow indicating flow of traffic [M10] oriented 333° 44°58'37"N 12°48'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 153° 44°57'00"N 12°41'00"E  
 Note: Above Traffic Separation Schemes become effective 0001 GMT on 1 December 2004 and have been adopted by IMO.

(NTM0021/2004)

**P 54161** 12Ed. 11/5/94 LAST NM 27/04 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining

45°05'59"N 12°35'57"E  
 45°11'18"N 12°31'58"E  
 45°12'41"N 12°35'57"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
     45°10'30"N 12°29'28"E  
     45°01'45"N 12°35'53"E

Open outlined arrow indicating flow of traffic [M10] oriented 153° 45°09'34"N 12°31'42"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 153° 45°05'54"N 12°34'27"E  
 Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.

(NTM0021/2004)

**P 54168** 1Ed. 1/15/94 LAST NM 38/03 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by limit joining

45°35'14.4"N 13°35'00.0"E  
 45°35'02.4"N 13°39'30.0"E  
 45°36'26.4"N 13°37'30.0"E

Purple heavy dashed line (outside limit of eastbound traffic lane) between  
     45°34'14.4"N 13°35'00.0"E  
     45°34'00.0"N 13°38'31.2"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
     45°36'20.4"N 13°39'42.0"E  
     45°35'26.4"N 13°41'00.0"E  
     45°36'20.4"N 13°41'48.0"E

Open outlined arrow indicating flow of traffic [M10] oriented 094° 45°34'36.0"N 13°37'30.0"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 315° 45°35'45.0"N 13°39'36.0"E

Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
     45°42'00.0"N 13°38'00.0"E  
     45°40'20.4"N 13°38'00.0"E  
     45°40'20.4"N 13°37'18.0"E  
     45°42'00.0"N 13°37'18.0"E

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## SECTION I

NM 44/04

P 54168 (Continued)

Purple heavy dashed line (outside limit of northbound traffic lane) between  
 45°40'20.4"N 13°38'39.0"E  
 45°42'00.0"N 13°38'39.0"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
 45°40'20.4"N 13°36'30.0"E  
 45°42'00.0"N 13°36'30.0"E

Open outlined arrow indicating flow of traffic [M10] oriented 000° 45°41'00.0"N 13°38'24.0"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 180° 45°41'00.0"N 13°36'54.0"E

Precautionary area [M16] bound by chart border and purple dashed line joining  
 45°37'39.6"N 13°35'00.0"E  
 45°36'26.4"N 13°37'30.0"E  
 45°35'14.4"N 13°35'00.0"E

Note: Above Traffic Separation Schemes become effective 0001 GMT on 1 December 2004 and have been adopted by IMO.

(NTM0021/2004)

P 54169 3Ed. 11/27/99 LAST NM 14/04 44/04

Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
 45°20'00"N 13°03'01"E  
 45°21'30"N 13°02'34"E  
 45°23'12"N 13°06'28"E  
 45°20'00"N 13°07'31"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
 45°20'00"N 13°14'05"E  
 45°22'30"N 13°13'16"E

Open outlined arrow indicating flow of traffic [M10] oriented 347° 45°20'42"N 13°11'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 167° 45°20'34"N 13°01'00"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
 45°31'20"N 13°20'54"E  
 45°35'29"N 13°32'37"E  
 45°36'58"N 13°32'50"E  
 45°32'50"N 13°20'00"E

Purple heavy dashed line (outside limit of northeast bound traffic lane) between  
 45°29'18"N 13°22'06"E  
 45°34'14"N 13°32'12"E

Purple heavy dashed line (outside limit of southwest bound traffic lane) between  
 45°34'44"N 13°18'54"E  
 45°38'44"N 13°32'48"E

Open outlined arrow indicating flow of traffic [M10] oriented 058° 45°30'54"N 13°23'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 058° 45°34'12"N 13°30'36"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 248° 45°37'26"N 13°31'36"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 248° 45°35'24"N 13°24'18"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
 45°35'14"N 13°35'00"E  
 45°35'02"N 13°39'30"E  
 45°36'26"N 13°37'30"E

Purple heavy dashed line (outside limit of eastbound traffic lane) between  
 45°34'14"N 13°35'00"E  
 45°33'56"N 13°39'24"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
 45°36'20"N 13°39'42"E  
 45°35'26"N 13°41'00"E  
 45°36'20"N 13°41'48"E

Open outlined arrow indicating flow of traffic [M10] oriented 094° 45°34'36"N 13°37'30"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 315° 45°35'45"N 13°39'36"E

Purple tint area (traffic separation zone) [M13] bound by limit joining  
 45°40'20"N 13°38'00"E  
 45°40'20"N 13°37'18"E

45°42'44"N 13°37'18"E  
 45°42'44"N 13°38'00"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
 45°40'20"N 13°38'39"E  
 45°42'44"N 13°38'39"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
 45°42'44"N 13°36'30"E  
 45°40'20"N 13°36'30"E

Open outlined arrow indicating flow of traffic [M10] oriented 000° 45°41'36"N 13°38'24"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 180° 45°41'36"N 13°37'00"E

Precautionary area [M16] bound by purple dashed line joining  
 45°34'14"N 13°32'12"E  
 45°35'29"N 13°32'37"E  
 45°36'58"N 13°32'50"E  
 45°38'44"N 13°32'48"E  
 45°36'26"N 13°37'30"E  
 45°35'14"N 13°35'00"E  
 45°34'14"N 13°35'00"E

Note: Above Traffic Separation Schemes become effective 0001 GMT on 1 December 2004 and have been adopted by IMO.

(NTM0021/2004)

P 54180 6Ed. 9/26/92 LAST NM 51/03 44/04

Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
 44°34'47"N 13°40'00"E  
 44°06'42"N 14°05'46"E  
 44°05'54"N 14°03'58"E  
 44°32'21"N 13°40'00"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
 44°08'12"N 14°08'46"E  
 44°39'58"N 13°40'00"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
 44°04'24"N 14°00'58"E  
 44°27'14"N 13°40'00"E

Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°13'00"N 14°02'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 147° 44°30'00"N 13°46'45"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°27'00"N 13°42'30"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 327° 44°13'00"N 13°55'00"E

Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
 44°09'15"N 13°40'00"E  
 43°58'18"N 13°52'28"E  
 44°00'48"N 13°54'58"E  
 44°05'21"N 13°40'00"E

Purple heavy dashed line (outside limit of northbound traffic lane) between  
 44°02'48"N 13°57'22"E  
 44°12'38"N 13°40'00"E

Purple heavy dashed line (outside limit of southbound traffic lane) between  
 43°55'48"N 13°49'58"E  
 44°01'26"N 13°40'00"E

Open outlined arrow indicating flow of traffic [M10] oriented 308° 44°04'00"N 13°52'30"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 128° 43°59'15"N 13°47'30"E

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**P 54180** (Continued)  
 Precautionary area [M16] bound by chart border and purple dashed line joining  
 43°50'00"N 14°01'43"E  
 43°59'51"N 14°16'37"E  
 44°08'12"N 14°08'46"E  
 44°06'42"N 14°05'46"E  
 44°05'54"N 14°03'58"E  
 44°04'24"N 14°00'58"E  
 44°02'48"N 13°57'22"E  
 44°00'48"N 13°54'58"E  
 43°58'18"N 13°52'28"E  
 43°55'48"N 13°49'58"E  
 43°50'00"N 14°00'32"E

Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.

(NTM0021/2004)

**55084** 7Ed. 6/1/96 LAST NM 42/04 44/04  
 Delete Buoy "23" 46°20'47.5"N 30°38'40.5"E  
 Relocate Buoy "14" from 46°20'20.5"N 30°39'04.0"E to 46°20'21.0"N 30°38'59.1"E  
 Buoy "16" from 46°20'29.0"N 30°38'48.5"E to 46°20'30.0"N 30°38'52.1"E  
 Buoy "21" from 46°20'37.0"N 30°38'38.5"E to 46°20'35.0"N 30°38'41.1"E  
 Add Buoy "15" G, pillar, cone topmark, Fl G 3s 46°20'22.4"N 30°39'03.1"E  
 (27(4038)04 St. Petersburg)

**55103** 2Ed. 4/6/96 LAST NM 42/04 44/04  
 Substitute Depth 9.5 meters Obstn for 1.2 meters Obstn 44°37'36.0"N 33°31'21.0"E  
 Depth 18 meters Obstn for 14.6 meters Obstn 44°37'14.8"N 33°31'34.9"E  
 Depth 12.8 meters Wk for 13.4 meters Wk 44°37'20.2"N 33°31'41.7"E  
 Position circle with legend "4 piles" for depth 1.5 meters Obstn 44°37'35.8"N 33°31'43.7"E  
 Depth 17 meters Wk for 15.7 meters Wk 44°37'06.9"N 33°30'04.6"E  
 Add Depth 14.8 meters Rk [K14.2] 44°37'51.2"N 33°29'53.0"E  
 Depth 6.5 meters Rk [K14.2] 44°37'35.4"N 33°31'47.8"E  
 Depth 6.3 meters Rk [K14.2] 44°37'25.5"N 33°32'45.8"E  
 "AREA NO 632 CAUTION NO 5" bound by purple composite line joining 44°39'29.2"N 33°25'19.0"E  
 44°39'29.2"N 33°29'19.0"E  
 44°38'11.2"N 33°29'19.0"E  
 44°38'47.2"N 33°25'19.0"E  
 Caution No. 5 to CAUTIONS note  
 5. Area No. 632 is prohibited to stopping, anchoring, bottom gear fishing, undersea and dredging operations, explosive works and navigating with a slack anchor chain."  
 44°34'30.0"N 33°28'24.0"E  
 (11(1534), 26(3858, 3859), 27(4041, 4042), 28(4186)04 St. Petersburg)

**55104** 2Ed. 4/20/96 LAST NM 42/04 44/04  
 Add Fish haven symbol [K46.1] 44°24'51"N 33°42'24"E  
 "AREA NO 632 CAUTION NO 7" bound by purple composite line joining 44°39'29"N 33°25'19"E  
 44°39'29"N 33°29'19"E  
 44°38'11"N 33°29'19"E  
 44°38'47"N 33°25'19"E  
 Caution No. 7 to CAUTIONS note  
 7. Area No. 632 is prohibited to stopping, anchoring, bottom gear fishing, undersea and dredging operations, explosive works and navigating with a slack anchor chain."  
 44°40'00"N 33°40'15"E  
 (11(1534), 27(4043)04 St. Petersburg)

**55127** 2Ed. 4/20/96 LAST NM 40/04 44/04  
 Delete Dangerous wreck (See 40/04-55127) 47°03'19"N 37°31'09"E  
 Add Dangerous wreck [K28] 47°03'20"N 37°31'13"E

(Plan)  
 Delete Dangerous wreck 47°03'18.7"N 37°31'08.9"E  
 Add Dangerous wreck [K28] 47°03'19.9"N 37°31'12.7"E  
 (26(3861)04 St. Petersburg)

**55131** 1Ed. 11/16/96 LAST NM 17/04 44/04  
 Add Buoy RW, pillar, ball topmark, L Fl 6s 45°18.6'N 29°49.2'E  
 (27(4035)04 St. Petersburg)

**55180** 2Ed. 10/12/96 LAST NM 42/04 44/04  
 Add Submarine pipeline [L40.1] with legend "GAS CAUTION NO 8" joining 44°20.3'N 38°35.8'E  
 44°18.4'N 38°34.2'E  
 44°17.0'N 38°32.1'E  
 44°16.5'N 38°30.5'E  
 44°15.6'N 38°29.2'E  
 44°12.9'N 38°26.8'E  
 44°11.7'N 38°24.9'E

Submarine pipeline [L40.1] with legend "GAS CAUTION NO 8" joining 44°20.3'N 38°35.8'E  
 44°19.3'N 38°34.3'E  
 44°20.6'N 38°28.0'E  
 44°20.6'N 38°27.1'E  
 44°20.2'N 38°26.3'E  
 44°19.3'N 38°25.1'E  
 44°16.3'N 38°23.7'E  
 44°13.2'N 38°23.0'E

Caution No. 8 to CAUTIONS  
 "8. Attention is called to the fact that in many cases pipelines are not buried and charted depths may be decreased by up to two meters. In addition, gas pipelines contain flammable natural gas under high pressure. Any vessel damaging a line could face an immediate fire hazard or loss of buoyancy. Vessels are requested not to trawl in the vicinity of pipelines."  
 44°31.5'N 39°02.5'E  
 (10(1328)04 St. Petersburg)

**55190** 2Ed. 10/5/96 LAST NM 40/04 44/04  
 Relocate Pilot station symbol from 46°35.8'N 36°35.3'E to 46°36.7'N 36°35.9'E  
 and add legend "NOTE NO 4"  
 Pilot station symbol from 46°39.5'N 36°38.6'E to 46°40.0'N 36°40.0'E  
 and add legend "NOTE NO 4"  
 Add Note No. 4 to NOTES  
 "4. Pilot boarding place at 46°36.7'N 36°35.9'E is available for vessels of draft 6 meters or more. Pilot boarding place at 46°40.0'N 36°40.0'E is available for vessels of draft less than 6 meters."  
 45°14.5'N 38°31.0'E  
 (11(1544), 27(4046)04 St. Petersburg)

**56060** 9Ed. 4/12/03 LAST NM 40/04 44/04  
 Add Light Mo(U) and HORN to platform "Mari-B" 31°44.1'N 34°17.7'E  
 (21/03 Haifa)

**56064** 6Ed. 9/25/99 LAST NM 26/04 44/04  
 Add Depth 20 meters Wk [K26] 32°51'30.0"N 35°01'16.2"E  
 (17/03 Haifa)

**56065** 3Ed. 5/18/96 LAST NM 40/04 44/04  
 Add Light Mo(U) and HORN to platform "Mari-B" 31°44'08"N 34°17'43"E  
 (21/03 Haifa)

**57142** 6Ed. 7/11/98 LAST NM 28/04 44/04  
 Add Stranded wreck [K24] (PA) 4°36'48.5"N 7°10'43.5"E  
 Stranded wreck [K24] (PA) 4°41'25.0"N 7°04'59.0"E  
 (Panel B)  
 Add Stranded wreck [K24] (PA) 4°41'25.0"N 7°04'59.0"E  
 (31(3285)03, 5(538)04 Taunton)

## SECTION I

NM 44/04

<b>62028</b>	15Ed. 2/15/97	LAST NM 39/04	44/04	25°43.5'N 57°12.3'E
Add	"Explosives Dumping Ground" area bound by			25°39.3'N 57°19.1'E
	purple dashed line joining	24°24.0'N 60°14.0'E		25°45.3'N 57°26.7'E
		24°24.0'N 60°28.0'E		
		24°34.0'N 60°28.0'E		
		24°34.0'N 60°14.0'E		
	"Explosives Dumping Ground" area bound by			
	purple dashed line joining	25°00.0'N 58°30.0'E		
		25°00.0'N 58°40.0'E		
		24°53.0'N 58°33.0'E		
	(8(6)04 Muscat; 32(3604)04 Taunton)			
<b>P 62032</b>	16Ed. 2/1/03	LAST NM 43/04	44/04	
Add	Purple heavy dashed line joining			
		25°45.5'N 57°03.3'E		
		25°39.6'N 57°07.1'E		
		25°34.1'N 57°12.0'E		
	Purple tint area (traffic separation zone) [M13]			
	bound by limit joining	25°47.5'N 57°07.2'E		
		25°42.2'N 57°10.5'E		
		25°36.6'N 57°15.5'E		
		25°35.3'N 57°13.8'E		
		25°40.9'N 57°08.8'E		
		25°46.5'N 57°05.3'E		
	"INSHORE TRAFFIC ZONE" bound by shore			
	and purple composite line joining	25°52.5'N 57°17.3'E		
		25°48.4'N 57°09.2'E		
		25°43.5'N 57°12.3'E		
		25°39.3'N 57°19.1'E		
		25°45.3'N 57°26.7'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 150°	25°43.2'N 57°06.3'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 140°	25°37.5'N 57°10.5'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 320°	25°40.2'N 57°15.0'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 330°	25°45.5'N 57°10.0'E		
	Purple tint area (traffic separation zone) [M13]			
	bound by limit joining	28°38.4'N 49°07.0'E		
		28°38.4'N 48°45.8'E		
		28°30.3'N 48°40.7'E		
		28°30.1'N 48°41.1'E		
		28°38.2'N 48°46.3'E		
		28°38.2'N 49°07.0'E		
	Purple heavy dashed line (outside limit of			
	inbound traffic lane) joining	28°39.4'N 49°07.0'E		
		28°39.4'N 48°45.0'E		
		28°30.8'N 48°39.6'E		
	Purple heavy dashed line (outside limit of			
	outbound traffic lane) joining	28°29.6'N 48°42.1'E		
		28°37.2'N 48°46.9'E		
		28°36.1'N 49°07.0'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 270°	28°38.9'N 49°02.0'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 210°	28°35.0'N 48°43.2'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 030°	28°34.5'N 48°44.5'E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 093°	28°37.5'N 49°02.0'E		
	Note: Above Traffic Separation Schemes			
	become effective 0001 GMT on 1 December			
	2004 and have been adopted by IMO.			
	(NTM0021/2004)			
<b>62360</b>	5Ed. 3/11/95	LAST NM 40/04	44/04	
Add	"Explosives Dumping Ground" area bound by			
	purple dashed line joining	25°00.0'N 58°37.0'E		
		25°00.0'N 58°30.0'E		
		24°53.0'N 58°33.0'E		
		24°57.0'N 58°37.0'E		
	Note: Area extends beyond chart border			
	(8(6)04 Muscat; 32(3604)04 Taunton)			
<b>P 62360</b>	5Ed. 3/11/95	LAST NM 40/04	44/04	
Add	Purple heavy dashed line joining			
		25°45'30"N 57°03'18"E		
		25°39'36"N 57°07'06"E		
		25°34'03"N 57°12'00"E		
	Purple tint area (traffic separation zone) [M13]			
	bound by limit joining	25°47'30"N 57°07'12"E		
		25°42'15"N 57°10'33"E		
		25°36'39"N 57°15'33"E		
		25°35'18"N 57°13'48"E		
		25°40'54"N 57°08'48"E		
		25°46'30"N 57°05'18"E		
	"INSHORE TRAFFIC ZONE" bound by shore			
	and purple composite line joining	25°52'30"N 57°17'18"E		
		25°48'27"N 57°09'09"E		
		25°43'33"N 57°12'15"E		
		25°39'18"N 57°19'06"E		
		25°45'18"N 57°26'42"E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 150°	25°43'15"N 57°06'15"E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 140°	25°37'30"N 57°10'30"E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 320°	25°40'15"N 57°14'30"E		
	Open outlined arrow indicating flow of traffic			
	[M10] oriented 330°	25°45'30"N 57°10'00"E		
	Note: Above Traffic Separation Scheme			
	becomes effective 0001 GMT on 1 December			
	2004 and has been adopted by IMO.			
	(NTM0021/2004)			
<b>P 62033</b>	3Ed. 2/1/03	LAST NM N43/04	N44/04	
Add	Purple heavy dashed line joining			
		25°45.5'N 57°03.3'E		
		25°39.6'N 57°07.1'E		
		25°34.1'N 57°12.0'E		
	Purple tint area (traffic separation zone) [M13]			
	bound by limit joining	25°47.5'N 57°07.2'E		
		25°42.2'N 57°10.5'E		
		25°36.6'N 57°15.5'E		
		25°35.3'N 57°13.8'E		
		25°40.9'N 57°08.8'E		
		25°46.5'N 57°05.3'E		
	"INSHORE TRAFFIC ZONE" bound by shore			
	and purple composite line joining	25°52.5'N 57°17.3'E		
		25°48.4'N 57°09.2'E		

**62361** 2Ed. 6/15/96 LAST NM N40/04 N44/04  
 Add "Explosives Dumping Ground" area bound by  
 purple dashed line joining 25°00.0'N 58°37.0'E  
 25°00.0'N 58°30.0'E  
 24°53.0'N 58°33.0'E  
 24°57.0'N 58°37.0'E

Note: Area extends beyond chart border  
 (8(6)04 Muscat; 32(3604)04 Taunton)

**P 62361** 2Ed. 6/15/96 LAST NM N40/04 N44/04  
 Add Purple heavy dashed line joining 25°45'30"N 57°03'18"E  
 25°39'36"N 57°07'06"E  
 25°34'03"N 57°12'00"E

Purple tint area (traffic separation zone) [M13]  
 bound by limit joining 25°47'30"N 57°07'12"E  
 25°42'15"N 57°10'33"E  
 25°36'39"N 57°15'33"E  
 25°35'18"N 57°13'48"E  
 25°40'54"N 57°08'48"E  
 25°46'30"N 57°05'18"E

"INSHORE TRAFFIC ZONE" bound by shore  
 and purple composite line joining 25°52'30"N 57°17'18"E  
 25°48'27"N 57°09'09"E  
 25°43'33"N 57°12'15"E  
 25°39'18"N 57°19'06"E  
 25°45'18"N 57°26'42"E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 150° 25°43'15"N 57°06'15"E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 140° 25°37'30"N 57°10'30"E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 320° 25°40'15"N 57°14'30"E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 330° 25°45'30"N 57°10'00"E

Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

**P 62392** 7Ed. 12/22/01 LAST NM 18/02 44/04  
 Add Purple heavy dashed line between 25°45'30"N 57°03'18"E  
 25°44'00"N 57°04'16"E

Purple tint area (traffic separation zone) [M13]  
 bound by chart border and limit joining 25°44'00"N 57°06'52"E  
 25°46'30"N 57°05'18"E  
 25°47'30"N 57°07'12"E  
 25°44'00"N 57°09'26"E

"INSHORE TRAFFIC ZONE" bound by shore  
 and purple composite line joining 25°52'30"N 57°17'18"E  
 25°48'27"N 57°09'09"E  
 25°44'00"N 57°11'58"E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 150° 25°45'00"N 57°05'00"E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 330° 25°46'30"N 57°09'00"E

Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

**P 62448** 2Ed. 4/8/95 LAST NM 23/02 44/04  
 Add Purple heavy dashed line (outside limit of  
 inbound traffic lane) between 28°30'49.0"N 48°39'35.0"E  
 28°31'28.2"N 48°40'00.0"E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 210° 28°30'46.0"N 48°39'51.0"E  
 Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

**P 62451** 7Ed. 2/18/95 LAST NM 9/04 44/04  
 Add Purple tint area (traffic separation zone) [M13]  
 bound by chart border and limit joining

28°36'00"N 48°44'25"E  
 28°30'18"N 48°40'40"E  
 28°30'04"N 48°41'07"E  
 28°36'00"N 48°45'03"E

Purple heavy dashed line (outside limit of  
 inbound traffic lane) between 28°30'49"N 48°39'35"E  
 28°36'00"N 48°42'58"E

Purple heavy dashed line (outside limit of  
 outbound traffic lane) between 28°29'36"N 48°42'03"E  
 28°36'00"N 48°46'16"E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 210° 28°33'38"N 48°42'12"E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 030° 28°32'54"N 48°43'39"E

Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

**62455** 7Ed. 9/8/90 LAST NM 40/04 44/04  
 Substitute Depth 39 meters for 30 meters 27°08'30"N 49°48'18"E  
 (NTM0009/2004)

**P 62480** 2Ed. 3/1/03 LAST NM 43/04 44/04  
 Add Purple heavy dashed line joining 25°45.5'N 57°03.3'E  
 25°39.6'N 57°07.1'E  
 25°34.1'N 57°12.0'E

Purple tint area (traffic separation zone) [M13]  
 bound by limit joining 25°47.5'N 57°07.2'E  
 25°42.2'N 57°10.5'E  
 25°36.6'N 57°15.5'E  
 25°35.3'N 57°13.8'E  
 25°40.9'N 57°08.8'E  
 25°46.5'N 57°05.3'E

"INSHORE TRAFFIC ZONE" bound by shore  
 and purple composite line joining 25°52.5'N 57°17.3'E  
 25°48.4'N 57°09.2'E  
 25°43.5'N 57°12.3'E  
 25°39.3'N 57°19.1'E  
 25°45.3'N 57°26.7'E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 150° 25°43.2'N 57°06.3'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 140° 25°37.5'N 57°10.5'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 320° 25°40.2'N 57°15.0'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 330° 25°45.5'N 57°10.0'E

Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

**P 62490** 2Ed. 3/1/03 LAST NM 43/04 44/04  
 Add Purple tint area (traffic separation zone) [M13]  
 bound by limit joining 28°38.4'N 49°07.0'E  
 28°38.4'N 48°45.8'E  
 28°30.3'N 48°40.7'E  
 28°30.1'N 48°41.1'E  
 28°38.2'N 48°46.3'E  
 28°38.2'N 49°07.0'E

Purple heavy dashed line (outside limit of  
 inbound traffic lane) joining 28°39.4'N 49°07.0'E  
 28°39.4'N 48°45.0'E  
 28°30.8'N 48°39.6'E

Purple heavy dashed line (outside limit of  
 outbound traffic lane) joining 28°29.6'N 48°42.1'E  
 28°37.2'N 48°46.9'E  
 28°36.1'N 49°07.0'E

Open outlined arrow indicating flow of traffic  
 [M10] oriented 270° 28°38.9'N 49°02.0'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 210° 28°35.0'N 48°43.2'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 030° 28°34.5'N 48°44.5'E  
 Open outlined arrow indicating flow of traffic  
 [M10] oriented 093° 28°37.5'N 49°02.0'E

Note: Above Traffic Separation Scheme  
 becomes effective 0001 GMT on 1 December  
 2004 and has been adopted by IMO.

(NTM0021/2004)

## SECTION I

NM 44/04

<b>P 62510</b>	3Ed. 2/1/03 LAST NM 36/04	44/04	
	Add Purple heavy dashed line joining	25°45'30"N 57°03'18"E 25°39'36"N 57°07'06"E 25°34'03"N 57°12'00"E	Open outlined arrow indicating flow of traffic [M10] oriented 030° 28°34.5'N 48°44.5'E Open outlined arrow indicating flow of traffic [M10] oriented 093° 28°37.5'N 49°02.0'E Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)
	Purple tint area (traffic separation zone) [M13] bound by limit joining	25°47'30"N 57°07'12"E 25°42'15"N 57°10'33"E 25°36'39"N 57°15'33"E 25°35'18"N 57°13'48"E 25°40'54"N 57°08'48"E 25°46'30"N 57°05'18"E	
	"INSHORE TRAFFIC ZONE" bound by shore and purple composite line joining	25°52'30"N 57°17'18"E 25°48'27"N 57°09'09"E 25°43'33"N 57°12'15"E 25°39'18"N 57°19'06"E 25°45'18"N 57°26'42"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 150°	25°43'15"N 57°06'15"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 140°	25°37'30"N 57°10'30"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 320°	25°40'15"N 57°14'30"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 330°	25°45'30"N 57°10'00"E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		
<b>P 62512</b>	3Ed. 2/1/03 LAST NM N36/04	N44/04	
	Add Purple heavy dashed line joining	25°45'30"N 57°03'18"E 25°39'36"N 57°07'06"E 25°34'03"N 57°12'00"E	
	Purple tint area (traffic separation zone) [M13] bound by limit joining	25°47'30"N 57°07'12"E 25°42'15"N 57°10'33"E 25°36'39"N 57°15'33"E 25°35'18"N 57°13'48"E 25°40'54"N 57°08'48"E 25°46'30"N 57°05'18"E	
	"INSHORE TRAFFIC ZONE" bound by shore and purple composite line joining	25°52'30"N 57°17'18"E 25°48'27"N 57°09'09"E 25°43'33"N 57°12'15"E 25°39'18"N 57°19'06"E 25°45'18"N 57°26'42"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 150°	25°43'15"N 57°06'15"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 140°	25°37'30"N 57°10'30"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 320°	25°40'15"N 57°14'30"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 330°	25°45'30"N 57°10'00"E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		
<b>P 62540</b>	6Ed. 1/26/02 LAST NM 40/04	44/04	
	Add Purple tint area (traffic separation zone) [M13] bound by limit joining	28°38.4'N 49°07.0'E 28°38.4'N 48°45.8'E 28°30.3'N 48°40.7'E 28°30.1'N 48°41.1'E 28°38.2'N 48°46.3'E 28°38.2'N 49°07.0'E	
	Purple heavy dashed line (outside limit of inbound traffic lane) joining	28°39.4'N 49°07.0'E 28°39.4'N 48°45.0'E 28°30.8'N 48°39.6'E	
	Purple heavy dashed line (outside limit of outbound traffic lane) joining	28°29.6'N 48°42.1'E 28°37.2'N 48°46.9'E 28°36.1'N 49°07.0'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 270°	28°38.9'N 49°02.0'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 210°	28°35.0'N 48°43.2'E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		
<b>P 62541</b>	3Ed. 1/26/02 LAST NM N40/04	N44/04	
	Add Purple tint area (traffic separation zone) [M13] bound by limit joining	28°38.4'N 49°07.0'E 28°38.4'N 48°45.8'E 28°30.3'N 48°40.7'E 28°30.1'N 48°41.1'E 28°38.2'N 48°46.3'E 28°38.2'N 49°07.0'E	
	Purple heavy dashed line (outside limit of inbound traffic lane) joining	28°39.4'N 49°07.0'E 28°39.4'N 48°45.0'E 28°30.8'N 48°39.6'E	
	Purple heavy dashed line (outside limit of outbound traffic lane) joining	28°29.6'N 48°42.1'E 28°37.2'N 48°46.9'E 28°36.1'N 49°07.0'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 270°	28°38.9'N 49°02.0'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 210°	28°35.0'N 48°43.2'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 030°	28°34.5'N 48°44.5'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 093°	28°37.5'N 49°02.0'E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		
<b>P 62560</b>	4Ed. 3/1/03 LAST NM 27/04	44/04	
	Add Purple tint area (traffic separation zone) [M13] bound by limit joining	28°38'24"N 49°07'00"E 28°38'24"N 48°45'50"E 28°30'18"N 48°40'40"E 28°30'04"N 48°41'07"E 28°38'12"N 48°46'18"E 28°38'12"N 49°07'00"E	
	Purple heavy dashed line (outside limit of inbound traffic lane) joining	28°39'24"N 49°07'00"E 28°39'24"N 48°45'02"E 28°30'49"N 48°39'35"E	
	Purple heavy dashed line (outside limit of outbound traffic lane) joining	28°29'36"N 48°42'03"E 28°37'10"N 48°46'54"E 28°36'06"N 49°07'00"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 270°	28°38'54"N 49°03'12"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 270°	28°38'54"N 48°52'00"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 210°	28°35'12"N 48°43'12"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 030°	28°34'36"N 48°44'48"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 090°	28°37'30"N 48°52'00"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 093°	28°37'12"N 49°03'12"E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		
<b>P 62570</b>	4Ed. 1/26/02 LAST NM 40/04	44/04	
	Add Purple tint area (traffic separation zone) [M13] bound by limit joining	28°38'24"N 49°07'00"E 28°38'24"N 48°45'50"E 28°30'18"N 48°40'40"E 28°30'04"N 48°41'07"E 28°38'12"N 48°46'18"E 28°38'12"N 49°07'00"E	
	Purple heavy dashed line (outside limit of inbound traffic lane) joining	28°39'24"N 49°07'00"E 28°39'24"N 48°45'02"E 28°30'49"N 48°39'35"E	
	Purple heavy dashed line (outside limit of outbound traffic lane) joining	28°29'36"N 48°42'03"E 28°37'10"N 48°46'54"E 28°36'06"N 49°07'00"E	
	Open outlined arrow indicating flow of traffic [M10] oriented 270°	28°38.9'N 49°02.0'E	
	Open outlined arrow indicating flow of traffic [M10] oriented 210°	28°35.0'N 48°43.2'E	
	Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO. (NTM0021/2004)		

(continued on next page)

**P 62570** (Continued)  
 Purple heavy dashed line (outside limit of inbound traffic lane) joining 28°39'24"N 49°07'00"E  
 28°39'24"N 48°45'02"E  
 28°30'49"N 48°39'35"E  
  
 Purple heavy dashed line (outside limit of outbound traffic lane) joining 28°29'36"N 48°42'03"E  
 28°37'10"N 48°46'54"E  
 28°36'06"N 49°07'00"E  
  
 Open outlined arrow indicating flow of traffic [M10] oriented 270° 28°38'54"N 49°03'12"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 270° 28°38'54"N 48°52'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 210° 28°35'12"N 48°43'12"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 030° 28°34'36"N 48°44'48"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 090° 28°37'30"N 48°52'00"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 093° 28°37'12"N 49°03'12"E  
 Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.  
 (NTM0021/2004)

**P 62580** 3Ed. 1/16/99 LAST NM 26/04 44/04  
 Add Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining  
 28°38'24"N 48°47'00"E  
 28°38'24"N 48°45'50"E  
 28°30'18"N 48°40'40"E  
 28°30'04"N 48°41'07"E  
 28°38'12"N 48°46'18"E  
 28°38'12"N 48°47'00"E  
  
 Purple heavy dashed line (outside limit of inbound traffic lane) joining 28°39'24"N 48°47'00"E  
 28°39'24"N 48°45'02"E  
 28°30'49"N 48°39'35"E  
  
 Purple heavy dashed line (outside limit of outbound traffic lane) joining 28°29'36"N 48°42'03"E  
 28°37'10"N 48°46'54"E  
 28°37'10"N 48°47'00"E  
  
 Open outlined arrow indicating flow of traffic [M10] oriented 270° 28°38'50"N 48°46'18"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 210° 28°34'24"N 48°42'40"E  
 Open outlined arrow indicating flow of traffic [M10] oriented 030° 28°34'00"N 48°44'12"E  
 Note: Above Traffic Separation Scheme becomes effective 0001 GMT on 1 December 2004 and has been adopted by IMO.  
 (NTM0021/2004)

**63231** 8Ed. 4/25/98 LAST NM 45/02 44/04  
 Delete Buoy 7°00'30"N 79°48'18"E  
 Buoy 6°56'12"N 79°48'33"E  
 Depth 12.2 meters Obstn 6°58'31"N 79°50'14"E  
  
 Change Buoy to RGR, pillar, can topmark, FI(2+1) R 10s Racon 6°58'18"N 79°50'06"E  
 (BA CH 1655)

**63233** 15Ed. 12/11/93 LAST NM 31/02 44/04  
 Delete Buoy "4" 6°58'01.5"N 79°50'23.5"E  
 Buoy 7°00'30.0"N 79°48'18.0"E  
 Buoy 6°56'13.0"N 79°48'42.0"E  
  
 Purple composite line (restricted area limit) between 6°58'28.8"N 79°50'43.8"E  
 6°57'40.0"N 79°51'12.0"E  
 (See 6/00-63233)  
  
 Relocate Buoy "1" from 6°57'53.0"N 79°50'13.5"E to 6°58'12.0"N 79°49'58.2"E and change characteristic to FI G 10s  
  
 Change Buoy "2" to RGR, pillar, can topmark, FI(2+1) R 10s [Q130.1] Racon 6°58'17.9"N 79°50'05.8"E  
  
 Designation of buoy "3" to "5" 6°57'33.0"N 79°50'30.0"E

Characteristic of buoy "6" to VQ(9) 10s 6°57'38.4"N 79°50'49.1"E  
 Legend to "Dredged to 16m (2003)" 6°58'07.0"N 79°50'11.0"E

Add Purple composite line (restricted area limit) [N2.1] bound by shore and purple composite line joining 6°58'28.8"N 79°50'43.8"E  
 6°58'27.0"N 79°50'52.8"E  
 6°58'09.2"N 79°51'12.0"E  
 6°57'40.0"N 79°51'12.0"E

"Dredged to 13m (2003)" area bound by dashed line joining 6°57'36.0"N 79°51'06.0"E  
 6°57'40.0"N 79°51'06.0"E  
 6°58'09.4"N 79°50'42.1"E  
 6°58'17.9"N 79°50'05.8"E  
 6°58'36.0"N 79°50'12.0"E  
 6°58'27.0"N 79°50'52.8"E  
 6°58'09.2"N 79°51'12.0"E  
 6°57'40.0"N 79°51'10.2"E  
 6°57'37.8"N 79°51'10.1"E  
 6°57'32.4"N 79°51'10.8"E  
 and delete hydrography within above area

Buoy "3" Y, spherical, FI Y 5s 6°57'58.3"N 79°50'09.7"E  
 Buoy "4" Y, spherical, FI Y 5s 6°57'59.1"N 79°50'26.4"E  
 Buoy "9" Y, spherical, FI Y 5s 6°57'53.5"N 79°50'54.6"E

Buoy "7" G, pillar, cone topmark, FI G 6s 6°58'09.4"N 79°50'42.1"E  
 Buoy "8" R, pillar, can topmark, FI R 8s 6°58'36.0"N 79°50'12.0"E  
 Buoy "10" R, pillar, can topmark, FI R 6s 6°58'27.0"N 79°50'52.8"E  
 Buoy "12" R, pillar, can topmark, FI R 4s 6°58'09.2"N 79°51'12.0"E

Buoy "14" Y, spherical, FI Y 5s 6°57'53.5"N 79°51'10.9"E  
 (BA CH 1655)

**P 74290** 11Ed. 9/6/97 LAST NM 18/04 44/04  
 Delete Purple dashed line joining 10°57.6'S 142°50.9'E  
 10°48.0'S 142°48.5'E  
 10°44.6'S 142°41.2'E  
 10°44.5'S 142°41.1'E

Purple dashed line joining 10°38.4'S 142°34.6'E  
 10°34.8'S 142°29.5'E  
 10°32.6'S 142°25.6'E  
 10°33.4'S 142°26.6'E

Purple dashed line between 10°29.7'S 142°22.6'E  
 10°30.5'S 142°24.0'E

Dashed line joining 10°29.8'S 142°25.1'E  
 10°18.0'S 142°51.8'E  
 9°48.0'S 143°10.8'E

Dashed line and legend "044°-224°" between 9°48.0'S 143°10.8'E  
 9°26.9'S 143°31.3'E

Dashed line and legend "028°30'-208°30'" between 9°48.0'S 143°10.8'E  
 9°36.5'S 143°16.9'E

Dashed line and legends (2) "056°15'-236°15'" Preferred Route (Note 2)" between 9°36.5'S 143°16.9'E  
 9°12.6'S 143°52.8'E

Dashed line and legend "Preferred Route (Note 2) 060°30'-240°30'" between 10°29.8'S 142°25.1'E  
 10°20.0'S 142°42.4'E

Dashed line and legend "092°-272°" between 10°20.0'S 142°42.4'E  
 10°10.3'S 142°46.0'E

Dashed line and legend "020°-200°" between 10°10.3'S 142°46.0'E  
 10°12.3'S 142°56.1'E

Add Purple dashed line joining 10°57.6'S 142°50.9'E  
 10°48.2'S 142°50.1'E  
 10°44.5'S 142°41.1'E

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SECTION I

NM 44/04

**P 74290** (Continued)

Purple dashed line between	10°38.4'S 142°34.6'E 10°33.4'S 142°26.6'E
Purple dashed line joining	10°29.7'S 142°22.6'E 10°29.1'S 142°25.8'E 10°27.8'S 142°28.5'E 10°26.4'S 142°31.3'E 10°21.9'S 142°41.5'E 10°19.4'S 142°48.0'E 10°18.1'S 142°50.8'E 10°13.4'S 142°55.0'E 10°00.5'S 143°03.4'E 9°47.7'S 143°10.4'E 9°25.8'S 143°31.1'E 9°11.5'S 143°52.8'E
Purple dashed line joining	10°30.5'S 142°24.0'E 10°28.4'S 142°28.7'E 10°27.4'S 142°31.9'E 10°22.9'S 142°42.0'E 10°19.8'S 142°48.2'E 10°17.6'S 142°53.3'E 10°09.8'S 143°05.6'E 9°54.0'S 143°15.6'E 9°46.0'S 143°18.5'E 9°38.0'S 143°22.0'E 9°27.6'S 143°32.2'E 9°13.8'S 143°52.8'E
Purple dashed line joining	10°16.1'S 142°53.8'E 10°13.8'S 142°55.9'E 10°01.1'S 143°04.2'E 9°48.1'S 143°11.3'E 9°41.0'S 143°18.9'E 9°45.7'S 143°17.5'E 9°53.8'S 143°14.5'E 10°09.2'S 143°04.7'E 10°16.1'S 142°53.8'E
Legend "Two Way Route (see Note)"	10°23.8'S 142°38.3'E
Legend "Two Way Route (see Note)"	10°02.5'S 143°09.5'E
Legend "Two Way Route (see Note)"	10°00.7'S 143°04.2'E
Legend "Two Way Route (see Note)"	09°18.7'S 143°44.0'E
Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 057°30'-237°30'	10°14.2'S 142°58.1'E
Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 033°-213°	10°09.1'S 142°58.3'E
Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 020°-200°	9°46.4'S 143°17.7'E
Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 056°15'-236°15'	9°25.3'S 143°33.5'E
Note: The above change to the Two-Way Route has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004. (26(877)03, 9(355)04 Wollongong; Aus CH 376)	

**P 74292** 8Ed. 8/29/98 LAST NM 1/04 44/04

Delete	Dashed line and legend "Preferred route 066°-246° (see Note)" between	10°29.80'S 142°25.10'E 10°25.94'S 142°33.90'E
	Dashed line and legend "Preferred route 060°30'-240°30' (see Note)" between	10°29.80'S 142°25.10'E 10°25.94'S 142°31.90'E
	Dashed line joining	10°38.41'S 142°34.60'E 10°34.70'S 142°29.45'E 10°32.59'S 142°25.68'E 10°33.36'S 142°26.56'E
	Dashed line between	10°33.21'S 142°07.97'E 10°33.40'S 142°03.08'E
	Dashed line between	10°30.48'S 142°24.10'E 10°29.70'S 142°22.58'E
Add	Dashed line joining	10°38.41'S 142°34.60'E 10°33.36'S 142°26.56'E
	Dashed line between	10°33.21'S 142°07.97'E 10°32.96'S 142°03.00'E

Dashed line joining	10°29.70'S 142°22.58'E 10°29.14'S 142°25.76'E 10°27.80'S 142°28.45'E 10°26.40'S 142°31.30'E 10°25.94'S 142°32.45'E	
Dashed line joining	10°30.48'S 142°24.10'E 10°28.38'S 142°28.66'E 10°27.38'S 142°31.85'E 10°25.94'S 142°35.30'E	
Legend "TWO-WAY ROUTE (see Note)"	10°27.70'S 142°29.40'E	
Open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 066°-246°	10°26.60'S 142°31.70'E	
Note: The above change to the Two-Way Route has been adopted by the IMO and will become effective at 0001 GMT 1 December 2004. (26(877)03, 9(355), 10(399)04 Wollongong; Aus CH 839)		
<b>P 74293</b> 7Ed. 7/26/97 LAST NM 18/04 44/04		
Delete	Purple dashed line joining	11°04'05"S 142°52'22"E 10°47'55"S 142°48'31"E 10°44'31"S 142°41'04"E
	Purple dashed line joining	10°38'25"S 142°34'34"E 10°34'41"S 142°29'18"E 10°32'35"S 142°25'38"E 10°33'22"S 142°26'34"E
	Purple dashed line between	10°29'42"S 142°22'38"E 10°30'27"S 142°24'01"E
	Dashed line joining	10°29'48"S 142°25'06"E 10°18'00"S 142°51'48"E 9°48'10"S 143°10'48"E
	Dashed line joining	10°29'48"S 142°25'06"E 10°20'00"S 142°42'28"E 10°12'18"S 142°56'18"E
	Legend "Preferred Route 066°-246° (see Note)"	10°26'15"S 142°32'45"E
	Legend "060°30'-240°30' Preferred Route (see Note)"	10°22'00"S 142°38'30"E
	Legend "Preferred Route (see Note)"	9°56'45"S 143°06'00"E
	Legend "020°-200°"	10°12'00"S 142°45'15"E
	Legend "092°-272°"	10°10'15"S 142°48'30"E
	Legend "110°30'-290°30'"	10°11'45"S 142°55'05"E
	Legend "040°-220°"	10°15'15"S 142°53'55"E
	Legend "033°-213°"	10°04'20"S 143°01'20"E
	Legend "028°30'-208°30'"	9°52'45"S 143°08'00"E
	Note	11°17'00"S 142°42'35"E
Add	Purple dashed line joining	11°20'50"S 143°00'10"E 10°48'13"S 142°50'03"E 10°44'31"S 142°41'04"E
	Purple dashed line between	11°20'50"S 142°58'30"E 11°04'05"S 142°52'22"E
	Purple dashed line between	10°38'25"S 142°34'34"E 10°33'22"S 142°26'34"E
	Purple dashed line joining	10°29'42"S 142°22'38"E 10°29'08"S 142°25'46"E 10°27'48"S 142°28'27"E 10°26'24"S 142°31'18"E 10°21'54"S 142°41'30"E 10°19'22"S 142°47'58"E 10°18'08"S 142°50'49"E 10°13'23"S 142°54'58"E 10°00'30"S 143°03'25"E 9°47'55"S 143°10'15"E
		(continued on next page)

<b>P 74293</b> (Continued)				
	Purple dashed line joining	10°30'27"S 142°24'01"E 10°28'23"S 142°28'40"E 10°27'23"S 142°31'51"E 10°22'51"S 142°41'57"E 10°19'48"S 142°48'14"E 10°17'38"S 142°53'17"E 10°09'47"S 143°05'33"E 9°53'58"S 143°15'37"E 9°48'55"S 143°17'26"E		
	Purple dashed line joining	9°47'55"S 143°11'45"E 9°48'06"S 143°11'18"E 10°01'03"S 143°04'12"E 10°13'47"S 142°55'51"E 10°16'06"S 142°53'49"E 10°09'09"S 143°04'42"E 9°53'50"S 143°14'30"E 9°47'55"S 143°16'45"E		
	Legend "TWO-WAY ROUTE (see Note)"	11°09'15"S 142°55'45"E		
	Legend "TWO-WAY ROUTE (see Note)"	10°24'15"S 142°37'15"E		
	Legend "TWO-WAY ROUTE (see Note)"	10°02'00"S 143°03'00"E		
	Legend "TWO-WAY ROUTE (see Note)"	10°05'15"S 143°08'00"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 161°-341°	11°17'30"S 142°58'15"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 066°-246°	10°22'22"S 142°41'52"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 033°-213°	10°10'15"S 142°57'37"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 028°30'-208°30'	9°54'45"S 143°07'07"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 057°-237°	10°14'00"S 142°58'30"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 032°-212°	9°58'15"S 143°12'15"E		
	Note: The above change to the Two-Way Route has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.			
	(26(876)03, 9(355)04 Wollongong; Aus CH 839)			
<b>P 74294</b>	3Ed. 6/6/98 LAST NM 45/02		44/04	
Delete	Dashed line joining	10°55'25"S 142°50'20"E 10°47'55"S 142°48'34"E 10°44'36"S 142°41'09"E 10°44'31"S 142°41'04"E		
	Dashed line joining	10°38'25"S 142°34'34"E 10°34'45"S 142°29'33"E 10°32'35"S 142°25'38"E 10°33'22"S 142°26'34"E		
	Dashed line and legends (2) "066°00'-246°00' Preferred Route NOTE NO 7" between	10°29'37"S 142°25'14"E 10°17'58"S 142°51'40"E		
	Dashed line and legends (2) "060°30'-240°30' Preferred Route NOTE NO 7" between	10°29'37"S 142°25'14"E 10°20'00"S 142°42'27"E		
	Dashed line and legend "040°00'-220°00'" between	10°17'58"S 142°51'40"E 10°17'40"S 142°51'55"E		
	Dashed line and legends (2) "020°00'-200°00' Preferred Route NOTE NO 7" between	10°20'00"S 142°42'27"E 10°13'25"S 142°44'51"E		
Change	Note No. 7 of NOTES to "7. Reserved."			
Add	Purple heavy dashed line joining	10°44'31"S 142°41'04"E 10°48'13"S 142°50'03"E 10°54'15"S 142°51'56"E		
	Purple heavy dashed line between	10°38'25"S 142°34'34"E 10°33'22"S 142°26'34"E		

	Purple heavy dashed line joining	10°29'15"S 142°25'04"E 10°29'08"S 142°25'46"E 10°27'48"S 142°28'27"E 10°26'24"S 142°31'18"E 10°21'54"S 142°41'30"E 10°19'22"S 142°47'58"E 10°18'08"S 142°50'49"E 10°16'54"S 142°51'56"E		
	Purple heavy dashed line joining	10°29'57"S 142°25'04"E 10°28'23"S 142°28'40"E 10°27'23"S 142°31'51"E 10°22'51"S 142°41'57"E 10°19'48"S 142°48'14"E 10°18'15"S 142°51'56"E		
	Legend "TWO-WAY ROUTE NOTES 3, 4, 5 AND 6"	10°27'36"S 142°29'42"E		
	Legend "TWO-WAY ROUTE NOTES 3, 4, 5 AND 6"	10°20'48"S 142°45'24"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 066°-246°	10°28'09"S 142°28'18"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 066°-246°	10°25'00"S 142°36'15"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 066°-246°	10°20'12"S 142°47'00"E		
	Note: The above change to the Two-Way Route has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.			
	(26(877)03, 9(355)04 Wollongong; Aus CH 839)			
<b>P 74295</b>	3Ed. 9/19/98 LAST NM 1/04		44/04	
Delete	Purple dashed line joining	10°33'43.5"S 142°27'44.0"E 10°32'36.0"S 142°25'41.8"E 10°33'21.6"S 142°26'33.6"E		
	Purple dashed line between	10°33'12.6"S 142°07'58.2"E 10°33'16.0"S 142°06'30.0"E		
	Purple dashed line between	10°30'28.5"S 142°23'58.1"E 10°29'42.0"S 142°22'36.7"E		
	Dashed line and legend "066°-246° Preferred Route (see Note)" between	10°29'47.0"S 142°25'02.0"E 10°28'36.0"S 142°27'44.0"E		
	Dashed line and legend "060°30'-240°30' Preferred Route (see Note)" between	10°29'47.0"S 142°25'02.0"E 10°28'14.0"S 142°27'44.0"E		
	Note "Preferred Routes"	10°25'02.0"S 142°18'44.0"E		
Add	Purple dashed line between	10°34'06.0"S 142°27'44.0"E 10°33'21.6"S 142°26'33.6"E		
	Purple dashed line between	10°33'12.6"S 142°07'58.2"E 10°33'08.0"S 142°06'30.0"E		
	Purple dashed line between	10°30'28.5"S 142°23'58.1"E 10°28'47.0"S 142°27'44.0"E		
	Purple dashed line joining	10°29'42.0"S 142°22'38.0"E 10°29'08.4"S 142°25'45.2"E 10°28'10.0"S 142°27'44.0"E		
	Legend "TWO-WAY ROUTE (SEE NOTES)"	10°29'28.0"S 142°24'56.0"E		
	Note: The above change to the Two-Way Route has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.			
	(26(877)03, 9(355), 10(399)04 Wollongong)			
<b>P 76015</b>	1Ed. 4/24/93 LAST NM 3/04		44/04	
Add	"AREA TO BE AVOIDED (see Note)" bound by shore and purple composite line [N2.1] joining	35°10.2'S 174°20.1'E 35°24.7'S 174°50.2'E 35°29.6'S 174°50.8'E 35°34.6'S 174°49.2'E 35°51.3'S 174°35.5'E		

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## SECTION I

NM 44/04

<b>P 76015</b>	(Continued)						
	Note from Subsection I-2	37°54.0'S	175°27.0'E				
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>P 76030</b>	9Ed. 5/15/99 LAST NM 3/04			44/04			
Add	"AREA TO BE AVOIDED (see Note)" bound by shoreline and purple composite line [N2.1] joining	35°10.2'S	174°20.1'E				
		35°24.7'S	174°50.2'E				
		35°29.6'S	174°50.8'E				
		35°34.6'S	174°49.2'E				
		35°51.3'S	174°35.5'E				
	Note from Subsection I-2 in left lower margin of chart						
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>P 76040</b>	8Ed. 8/10/96 LAST NM 47/03			44/04			
Add	"AREA TO BE AVOIDED (see Note)" bound by shore and purple composite line [N2.1] joining	35°10.2'S	174°20.1'E				
		35°24.7'S	174°50.2'E				
		35°29.6'S	174°50.8'E				
		35°34.6'S	174°49.2'E				
		35°40.0'S	174°45.3'E				
	Note: Area extends beyond chart border						
	Note from Subsection I-2	35°24.2'S	174°10.0'E				
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>P 76041</b>	2Ed. 10/2/93 LAST NM 2/02			44/04			
Add	Purple composite line [N2.1] between	35°10'12"S	174°20'06"E				
		35°10'51"S	174°21'30"E				
	Legend "AREA TO BE AVOIDED (see Note)"	35°13'00"S	174°20'30"E				
	Note from Subsection I-2	35°16'18"S	174°16'00"E				
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>P 76050</b>	8Ed. 8/10/96 LAST NM 52/03			44/04			
Add	Purple composite line [N2.1] between	35°36.0'S	174°47.9'E				
		35°51.3'S	174°35.5'E				
	Legend "AREA TO BE AVOIDED (see Note)"	35°39.5'S	174°40.0'E				
	Note from Subsection I-2 in left upper margin of chart						
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>P 76056</b>	3Ed. 8/8/98 LAST NM 37/03			44/04			
Add	Purple composite line [N2.1] between	35°44'30"S	174°41'05"E				
		35°51'18"S	174°35'30"E				
	Legend "AREA TO BE AVOIDED (see Note)"	35°45'58"S	174°37'20"E				
	Legend "AREA TO BE AVOIDED (see Note)"	35°25'35"S	174°31'00"E				
	Note from Subsection I-2	35°45'22"S	174°29'40"E				
	Note: The above Area To Be Avoided has been adopted by the IMO and will become effective at 0001 GMT on 1 December 2004.						
	(NTM0025/2004)						
<b>91008</b>	1Ed. 7/18/92 LAST NM 12/03					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>91010</b>	6Ed. 9/2/95 LAST NM 12/03					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>93006</b>	2Ed. 7/29/95 LAST NM 48/03					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>94004</b>	6Ed. 9/2/95 LAST NM 24/04					44/04	
Add	Dangerous wreck [K28]				25°56.0'N	120°48.0'E	
	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886), 37(962)04 Tokyo)						
<b>94016</b>	2Ed. 9/23/95 LAST NM 34/04					44/04	
Add	Dangerous wreck [K28]				25°56.0'N	120°48.0'E	
	(37(962)04 Tokyo)						
<b>★94028</b>	7Ed. 9/16/95 LAST NM 39/04					44/04	
Add	Depth 96.5 meters Wk [K26]				32°59.4'N	125°51.1'E	
	Depth 80.9 meters Wk [K26]				33°35.2'N	125°17.4'E	
	Depth 103 meters Wk [K26]				32°53.3'N	125°59.1'E	
	Depth 87.8 meters Wk [K26]				33°32.5'N	125°20.9'E	
	Depth 83.2 meters Wk [K26]				33°20.8'N	125°32.3'E	
	Depth 85 meters Wk [K26]				33°17.6'N	125°35.7'E	
	(NTM0023/2004)						
<b>94040</b>	13Ed. 10/4/97 LAST NM 18/04					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>94060</b>	10Ed. 5/18/96 LAST NM 18/04					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>94067</b>	10Ed. 6/1/96 LAST NM 11/03					44/04	
Add	Dangerous wreck [K28]				23°30'48"N	119°23'06"E	
	(34(886)04 Tokyo)						
<b>94080</b>	7Ed. 9/23/95 LAST NM 24/04					44/04	
Add	Dangerous wreck [K28]				23°30.8'N	119°23.1'E	
	(34(886)04 Tokyo)						
<b>94160</b>	7Ed. 3/23/96 LAST NM 17/04					44/04	
Add	Dangerous wreck [K28]				25°56.0'N	120°48.0'E	
	(37(962)04 Tokyo)						
<b>★95100</b>	12Ed. 3/2/96 LAST NM 38/04					44/04	
Add	Depth 87 meters Wk [K26]				33°32'30"N	125°20'53"E	
	(NTM0023/2004)						
<b>★95120</b>	7Ed. 12/2/95 LAST NM 26/03					44/04	
Add	Depth 96 meters Wk [K26]				32°59'25"N	125°51'04"E	
	Depth 103 meters Wk [K26]				32°53'20"N	125°59'03"E	
	(NTM0023/2004)						
<b>95153</b>	2Ed. 4/23/94 LAST NM 19/04					44/04	
Relocate	Light from 35°09'20.9"N 129°08'03.1"E to 35°09'20.9"N 129°08'13.1"E						
	(See 19/04-95153)						
	(22(350)03 Inchon)						
<b>95250</b>	4Ed. 7/12/97 LAST NM 42/04					44/04	
Change	Visibility (range) of light to 7M				40°32.0'N	139°29.9'E	
	(36(927)04 Tokyo)						
<b>96621</b>	5Ed. 10/4/97 LAST NM 11/04					44/04	
Substitute	Depth 2.2 meters for 4.5 meters				64°40'52"N	177°40'47"E	
	Depth 5.8 meters for 7.5 meters				64°39'48"N	177°40'08"E	
	(15(2234)04 St. Petersburg)						

<b>96904</b>	3Ed. 5/31/03	LAST NM 34/03	44/04
	Substitute	Depth 4.2 meters for 4.7 meters and legend "S"	
		43°40'18"N 145°26'37"E	
	Add	Depth 4.6 meters enclosed by depth contour (5-meter)	
	(36(925)04 Tokyo)	43°40'23"N 145°31'38"E	
<b>97064</b>	2Ed. 2/19/94	LAST NM 45/03	44/04
	Delete	Buoy	38°24'10.3"N 141°19'56.5"E
		Buoy	38°24'08.3"N 141°19'56.7"E
		Buoy	38°24'13.0"N 141°20'15.0"E
		Buoy	38°24'14.0"N 141°20'32.0"E
		Buoy	38°24'09.0"N 141°20'17.0"E
		Buoy	38°24'09.5"N 141°20'31.0"E
		Buoy	38°24'04.0"N 141°20'43.0"E
		Legend "CAUTION NO 2"	38°24'07.0"N 141°20'28.0"E
		Caution No. 2 from CAUTIONS note	38°25'37.0"N 141°16'24.0"E
	Change	Legend "Y Lt" to "R Lt"	38°24'11.0"N 141°20'19.0"E
		Legend "Y Lt" to "G Lt"	38°24'07.0"N 141°20'42.0"E
	Add	Position circle "G Lt"	38°24'10.0"N 141°19'55.0"E
	(36(928)04 Tokyo; Jpn CH W1100)		
<b>97149</b>	20Ed. 11/29/97	LAST NM 42/04	44/04
	Add	Position circle "R Lt"	35°27'05.4"N 139°40'24.1"E
	(36(930)04 Tokyo)		
<b>97200</b>	9Ed. 8/26/95	LAST NM 40/04	44/04
	(Plan)		
	Add	Position circle "Y Lt"	33°52'39.0"N 135°08'57.3"E
	(See 29/03-97200)		
	(36(931)04 Tokyo)		
<b>97280</b>	4Ed. 7/12/97	LAST NM 31/04	44/04
	Delete	Depth 9.9 meters	34°02'11.8"N 131°43'49.0"E
		Depth 12.4 meters	34°02'09.2"N 131°43'44.5"E
		Depth 6.4 meters	34°02'07.0"N 131°43'45.1"E
		Depth 10.6 meters	34°02'05.5"N 131°43'41.5"E
		Depth 12.8 meters	34°01'46.2"N 131°43'33.8"E
	Add	Depth 6.8 meters	34°02'12.5"N 131°43'49.8"E
		Depth 11.2 meters	34°02'11.9"N 131°43'47.2"E
		Depth 11 meters	34°02'09.8"N 131°43'46.0"E
		Depth 6 meters	34°02'09.2"N 131°43'47.3"E
		Depth 12.9 meters	34°02'08.4"N 131°43'43.0"E
		Depth 4 meters	34°02'07.6"N 131°43'45.0"E
		Depth 14.2 meters	34°02'06.2"N 131°43'40.7"E
		Depth 11.9 meters	34°01'47.9"N 131°43'39.0"E
		Depth 15.1 meters	34°01'46.2"N 131°43'31.8"E
		Depth 4.1 meters	34°01'44.8"N 131°43'35.4"E
		Land tint to area bound by shore and solid line joining	34°02'11.4"N 131°43'51.2"E
			34°02'10.8"N 131°43'50.1"E
			34°02'11.0"N 131°43'50.0"E
			34°02'10.1"N 131°43'48.5"E
			34°02'09.6"N 131°43'49.0"E
			34°02'07.2"N 131°43'45.6"E
			34°02'07.7"N 131°43'45.2"E
			34°02'07.2"N 131°43'44.8"E
			34°02'06.8"N 131°43'45.4"E
		Position circle	34°02'11.0"N 131°43'50.0"E
		Position circle	34°02'10.1"N 131°43'48.5"E
		Legend "Y Lts"	34°02'10.0"N 131°43'52.0"E
	(36(924)04 Tokyo)		
<b>97483</b>	7Ed. 6/14/97	LAST NM 11/04	44/04
	Delete	Buoy	24°37'54"N 123°26'54"E
	(28(739)04 Tokyo)		
<b>801217</b>	1Ed. 2/7/98	LAST NM N26/04	N44/04
	Delete	Buoy "2"	26°15'14"N 127°49'39"E
		Buoy "3"	26°15'23"N 127°49'19"E
	(28(738)04 Tokyo)		
<b>801926</b>	1Ed. 8/4/90	LAST NM N40/90	N44/04
	Add	Superbuoy ODAS [Q58] "46071" Y, Fl(4) Y 20s	51°19'05.4"N 179°06'02.5"E
	(NTM0002/2004)		

SECTION I

NM 44/04

Chart 11344

NM 44/04

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W) THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	35.0	41.0	41.0	26.0	8-04	800	19.1	42
	35.0	46.0	46.0	45.0	8-04	400	1.4	40
	25.0	39.0	41.0	37.0	5-04; 8-04	400	6.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11347 (Side A)

NM 44/04

CALCASIEU PASS AND RIVER									
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2004									
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)	
BAR CHANNEL JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W) THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W) THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W) THENCE TO A POINT (A) (30°04'00.0"N, 93°18'38.0"W) THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W) THENCE TO 210 BRIDGE THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	41.0	41.0	26.0	8-04	800	19.1	42	
	35.0	46.0	46.0	45.0	8-04	400	1.4	40	
	25.0	39.0	41.0	37.0	5-04; 8-04	400	6.0	40	
	27.0	35.0	37.0	30.0	5-04	400	6.0	40	
	33.0	37.0	37.0	30.0	5-04; 8-04	400	6.0	40	
	33.0	38.0	38.0	32.0	5-04; 8-04	400	5.0	40	
	33.0	36.0	36.0	33.0	8-04	400	4.4	40	
	35.0	39.0	36.0	32.0	8-04	400	2.0	40	
	NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 44/04

Chart 11347 (Side B, Inset 1)

NM 44/04

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	35.0	41.0	41.0	26.0	8-04	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	35.0	46.0	46.0	45.0	8-04	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	25.0	39.0	41.0	37.0	5-04; 8-04	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	27.0	35.0	37.0	30.0	5-04	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	33.0	37.0	37.0	30.0	5-04; 8-04	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	33.0	38.0	38.0	32.0	5-04; 8-04	400	5.0	40
THENCE TO 210 BRIDGE	33.0	36.0	36.0	33.0	8-04	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	39.0	36.0	32.0	8-04	400	2.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 35005 NM N44/04

FORMER MINED AREA  
(58° 02' 50N., 1° 00' 00W.)

This area is a former mined area in which mines could still present a hazard for vessels anchoring, fishing or engaged in submarine or seabed operations.

Chart 35055 NM N44/04

FORMER MINED AREA  
(58° 03' 00N., 1° 07' 50W.)

This area is a former mined area in which mines could still present a hazard for vessels anchoring, fishing or engaged in submarine or seabed operations.

Chart 76015 NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

Chart 76030 NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

Chart 76040 NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

Chart 76041 NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

Chart 76050

NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

Chart 76056

NM P44/04

**AREA TO BE AVOIDED**

In order to avoid risk of pollution and damage to the environment of the sensitive area in the vicinity of the Poor Knight Islands, all vessels greater than 45 meters in length (except as specified below) should avoid this area. Exceptions are granted for:

1. All vessels of the Royal New Zealand Navy.
2. All fishing vessels engaged in fishing operations.
3. Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.



CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
11521	27	30*,41/04	12301	21	N39,N44,N48,N49/03;	13233	16	39/03;4,22,23,43/04	14085	6	49/03;15,38/04
11522	19	39/03;14/04			N6,N20,N28,N31,N33,	13235	6	23/04*	14087	58	41/04
11523	22	36*,41/04			N34,N36/04	13236	29	50/03;1/04	14088	10	34/03;5,38/04
11524	47	18*,21,29,31,36,38,39,	12304	43	48,52/03;2,5,9,22,26,28,	13237	39	39/03;13,23,43/04	14089	29	34/03
		41,43/04			30/04	13241	15	23/04	14090	2	41/04
11525	6	N39,N50/03;N1,N2,N5,	12304	44	40/04*	13242	17	23/04	14091	6	41/04
		N7,N8,N25,N27,N29,	12311	43	37*,42/04	13244	39	32/03	14105	19	47/03
		N37,N40/04	12312	52	32,51/03;1,10,16,22,31,	13246	37	36*,42/03;35/04	14110	42	32,44/03;1,36,41/04
11527	16	14,15,16,21,29/04			36,42/04	13260	39	36*,39,42,45/03;16,34,	14111	7	32,34,42,44/03
11531	21	39/03	12313	50	41/04*			43/04	14112	5	32,42,44/03;1,41/04
11532	20	39,43,50/03	12314	30	33,35/03;19,22,28/04	13263	7	N29,N36,N39,N42,	14115	2	29/04**
11534	33	19*,40/04	12316	31	38/04*			N45/03;N34,N35,N43/04	14123	14	42/04
11535	12	39/03;14,43/04	12317	32	28/04*	13264	103	29,39,42,49/03;5,34/04	14128	6	4/04
11536	17	18*,27,40/04	12318	42	31*,36,44/04	13267	31	47/03*;9,23,35/04	14134	2	41/04
11537	35	18*,19,40/04	12323	23	6/04	13269	9	7,9/04	14135	2	14,38,41/04
11541	34	51/03*;9,11,12,19,31,33,	12324	31	15*,19,28/04	13270	60	50/03*;9,15,42/04	14136	2	1,41/04
		40/04	12326	49	35*,49/03	13272	48	18*,20,23,36,42/04	14141	17	47/03
11542	16	25/04*	12327	97	48*,49/03;17,20,22,24,	13274	25	43/03*;6,15,23/04	14143		N38/03*;N4,N15,N41/04
11543	22	38/03;1,19,40/04			27,28,30,31,40,43/04	13275	28	45/03*;15/04	14144	29	38/03**
11544	38	18*,19,33,37,40/04	12331	30	33/03;22,33,40/04	13276	22	36/03*	14145	2	47/03;15/04
11545	61	16*,19,31,33/04	12332	21	22,40/04	13278	25	32,39/03;23/04	14146	2	32,49/03;6/04
11547	36	16*,19,31,33/04	12333	33	44*,49/03;17,24,28/04	13279	31	44/04*	14151	2	32,34,38/03;1,4/04
11548	39	12/04*	12334	67	25*,28,30,31,43/04	13281	17	17,23/04	14156	2	14/04
11550	29	28/04*	12335	40	47/03*	13282	11	39/03	14167		N6,N14/04
11555	39	18/04*	12337	22	22/04	13283	18	4,6/04	14168		N37/03;N41/04
12200	48	37*,40/04	12338	9	19/04	13285	10	4/04	14169	2	32,38,42,49/03
12201	25	N32/03;N1,N2,N6,N7,	12339	44	50/03*;23/04	13286	30	22*,43/04	14173	2	38/03
		N16,N25,N29/04	12341	26	36/03*	13287	11	20/04	14174		N42/03*;N14,N38,N39,
12204	35	33/03;5/04	12347	29	29,35/03;24,26,28,30/04	13288	40	29,42,44,45/03;20,23,40,			N41/04
12205	28	43*,50/03;5,11,35,39/04	12348	33	29,34/03;26/04			43,44/04	14175		N43/03*;N9/04
12206	30	50/03*;2,15,19,27,39/04	12350	58	17*,33,43/04	13290	35	39*,42,44,49/03;20,23,	14176		N38/03*
12207	21	18*,35,39/04	12352	30	46/03*;26,35/04			29,40,43,44/04	14177		N40/03*
12208	10	29*,39/04	12353	18	8*,26/04	13292	37	44/04*	14178		N40/03*;N5,N6/04
12210	36	33/03	12354	41	26*,30/04	13293	33	40,42,44/04	14180	38	42/03**
12211	42	40/04*	12363	39	32,36/03;30,31/04	13296	25	42/04	14181	3	43/03**
12214	45	30*,40/04	12364	34	32,36,39/03;29,30,31,	13298	10	42/04	14183	15	38/03**
12216	27	40/04			37/04	13301	20	42,45/03	14184		N32,N44,N47,N49/03;
12221	75	48*,50/03;2,9,11,19,28,	12366	27	31/04	13302	21	32,42,45,52/03;8,43,			N38/04
		35,36,38,39/04	12367	23	30/04			44/04	14185	2	40/03**
12222	46	30*,36/04	12368	26	30/04	13305	28	36,44/03;8,42,43,44/04	14186	2	40/03**
12224	23	33,45/03;9/04	12369	25	32,35,36,43/03;28,37,	13307	10	44/03;8,42/04	14187	2	38/03**
12225	55	44/04*			38/04	13308	12	22*,43/04	14188	1	42/03
12226	16	42/04	12371	23	52/03;19,25,28/04	13309	28	32,52/03;15,44/04	14189	2	36,42,44/03;4,6,15,39/04
12228	30	16/04*	12372	32	8*,17,20,23,25,28,29,30,	13312	21	34,35/04	14190	2	37,42/03;14/04
12230	61	3*,20,26,28,33,39,40/04			34,38,39/04	13313	20	42/04*	14191		N38/03*;N41/04
12231	26	30/03;28,40/04	12373	14	17/04	13318	18	36/04	14192		N38/03*;N9/04
12233	36	16/04*	12375	21	30/04	13323	7	34/04	14193		N38/03*;N15/04
12235	30	22*,28,29/04	12401	7	33,41/03;22,28/04	13324	14	5*,34,35/04	14195		N42/03*;N15/04
12237	27	48/03*;28,29/04	12402	8	34,41/03;31,33/04	13325	15	44/04*	14196		N38/03*;N15,N38/04
12238	38	6*,19,28,35,36,38/04	13000		N29/03	13326	13	25*,42/04	14197		N38/03*;N15/04
12241	21	34/03;2,35/04	13003	47	36*,39,44,45,48,52/03;6,	13394	3	42/03;36/04	14198		N43/03*;N36/04
12243	13	12,20,35/04			16,17,34,36,43/04	13396	4	36/04	14200	2	38/03**
12244	13	20/04	13006	31	36*,39,44,45,48/03;6,16,	13398	3	40/04	14201	15	38/03**
12245	63	26/04*			33,34,36,43/04	14000		N23/04*	14203	12	42/03**
12248	40	44/03*;4,15/04	13009	30	36,39,44,45,48/03;6,16,	14001		N23/04*	14204	21	38/03**
12251	23	12,27/04			33,43/04	14002	57	23/04**	14205	7	38/03**
12252	24	25*,28,38/04	13200	33	36,39,44,45,48/03;6,33,	14003	6	29,39,48/03;6,16,36,39,	14206	20	43/03**
12253	43	35/03*;2,10,13,15,19,27,			34/04			43/04	14207	33	36/04
		28,39/04	13201	10	N36,N39,N44,N45,	14004		N23*,N39/04	14208	28	38/03**
12254	44	16*,35/04			N48/03;N6/04	14005	78	23/04**	14209		N38/03*;N15,N41/04
12255	15	30,34/03	13203	12	48/03	14006		N23/04*	14211		N40/03*;N41/04
12256	14	48/03*;2,12,35/04	13204	12	44/03;6/04	14007		N38/03*;N14,N41/04	14212		N38/03*;N11,N15/04
12261	28	48/03;20,40/04	13205	36	2,17,25,29/04	14008	76	38/03**	14213		N39/03*;N5,N36/04
12263	53	11*,14,37,41/04	13209	24	37/04*	14009	3	29/04**	14214		N39/03*;N36/04
12264	28	42,44,48,52/03;26,33,	13211	13	45/03;29/04	14010	5	29/04**	14215		N39/03*;N36/04
		39/04	13212	36	18*,25,38,39/04	14011		N23/04*	14216		N39*,N44/03;N5,N15,
12266	28	8*,41/04	13213	41	18*,20,23,34,38,39/04	14012		N29/04*			N36/04
12270	33	15*,37,41/04	13214	27	2,17,28,39/04	14013		N29/04*	14217		N43/03*;N37,N41/04
12272	29	30,33,38/03;7,41/04	13215	18	44/04*	14014	82	29/04**	14218		N39/03*;N6/04
12273	55	31*,38,39/04	13216	1	N2/04	14015		N29/04*	14219		N40/03*;N6,N19/04
12274	33	30,33/03;20,29,38/04	13217	14	6/04	14016		N29/04*	14220		N39/03*;N36/04
12277	32	35*,51/03;20,26,29,38,	13218	38	46,50,52/03;19,20,22,23,	14019		N29*,N34/04	14222	16	40/03**
		39/04			24,29,30,33/04	14024	5	36,47/03;37,39/04	14223	18	38/03**
12278	73	8*,31,38,39/04	13218	39	34*,36/04	14025		N43/04*	14224		N39/03*
12280	4	52/03*;2,7,9,28,35,36,	13219	12	26/04	14040	65	29/04**	14225	17	39/03**
		39/04	13221	54	15*,19,20,23,26,28,29,	14041	12	29/04**	14226	32	39/03**
12281	49	38,44,48,49/03;1,16,20,			33,34/04	14042	3	34,42/03	14227	28	39/03**
		39/04	13223	37	16*,20,23,29/04	14043	7	49/03	14228	11	39/03**
12282	34	43/03*;31/04	13224	37	22*,26,28,33,34/04	14044	44	47,49/03;1/04	14229		N39/03*;N5/04
12283	25	29/04*	13225	33	15,19,33/04	14046	2	47,49/03;9/04	14240	6	43/03**
12284	15	42,48/03;26,33,39/04	13226	6	17*,19,29/04	14058		N29/04*	14241	23	39/03**
12285	36	19*,36/04	13227	13	49/03;19/04	14061	27	36/04	14242	13	40/03**
12286	29	42,52/03;28,36/04	13228	11	22,23/04	14062	17	32,36/03;1,5,9/04	14243	8	39/03**
12287	17	36/04	13229	28	12*,13,19,22,23,24,30,	14066	19	34,42,47/03;5/04	14244	5	39/03**
12288	19	9,36/04			34/04	14067	11	14/04	14245	4	49/03**
12289	48	13/04	13230	47	15*,19,22,23,24,30,34/04	14081	21	36,47/03;2,42/04	14246	6	39/03**
12300	44	37*,41/04	13232	4	19,23,28,34/04	14083	30	38/04	14247		N39/03*;N5,N6/04

## SECTION I

NM 44/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14248		N40/03*	14864	26	1,8,41/04	16006	33	32,35,36/03;1,15,21,27,28,31,44/04	16596	12	1/04
14249		N39/03*;N5,N36/04	14865	16	26,44/04	16011	36	44/04*	16597	8	1,28/04
14250		N40/03*	14867	26	39/03*;25/04	16012	21	34,50/03;44/04	16598	9	1,28/04
14251		N40/03*;N36/04	14869	26	8/04	16013	29	10*,32/04	16599	6	1,28/04
14252		N40/03*;N14,N39/04	14871	2	34/03	16016	20	9/04*	16601	10	1/04
14253		N40/03*;N9/04	14880	31	15/04*	16041	8	48/03	16603	8	48/03*
14254		N40/03*;N41/04	14881	31	8/04	16067	7	1/04	16604	11	1/04
14259	3	40/03**	14883	43	15*,19/04	16081	6	1/04	16605	9	44/04*
14260	47	39/03**	14886	11	41/03*	16082	7	25/04*	16606	11	1/04
14263	15	40/03**	14901	14	7,10,26,41/04	16083	6	9/04*	16608	4	46/03*
14264	4	40/03**	14902	28	8,10,26,41/04	16084	7	37/04*	16640	24	1,17/04
14280	37	40/03**	14903	23	31/03*;2,7,41/04	16085	6	15/04*	16645	18	1/04
14310	2	40/03**	14904	26	40/03*;1,26/04	16086	7	18/04*	16646	12	1,25/04
14319		N19/04*	14905	30	45/03*;7/04	16087	7	5/04*	16647	3	1/04
14325	13	6/04	14906	23	32/04	16102	5	9/04*	16648	4	1/04
14327	8	42/04	14907	25	10/04	16104	5	37/04*	16660	29	17*,43/04
14328	6	47/03;9,42/04	14908	18	22/04*	16124	6	3/04*	16661	6	17/04
14329	5	32,47,49/03;1/04	14909	19	49/03;10/04	16200	13	36/03	16663	7	17*,42,43,44/04
14340	25	30,49/03;1,9,15,37,39/04	14910	23	24,41/04	16204	6	22/04*	16665	8	15*,42,44/04
14341	5	34,47,49/03;37,39/04	14911	20	10,41/04	16206	7	46/03;5/04	16680	10	32,37/03;15/04
14342	20	30,49/03;9/04	14912	17	31/03*	16220	5	36/03;15/04	16682	16	17/04*
14344	2	49/03	14913	18	31/03*;8,10,15,20/04	16240	10	15/04*	16683	10	17/04*
14345	5	49/03	14916	10	1,19,26/04	16300	9	25*,32/04	16700	29	41/04*
14349	7	42,47/03;5,6/04	14917	23	42/04	16305	10	25/04*	16701	19	37/03*;12/04
14353	3	42/03	14918	27	22*,24,26/04	16315	10	1/04	16702	11	37/03*;12/04
14354	2	32,42,50/03	14919	27	1,7/04	16322	8	22*,42/04	16704	13	12/04
14355	3	50/03	14922	19	5,32/04	16323	9	3/04*	16705	19	43/03;12/04
14357		N49/03;N4,N15/04	14924	27	49/03;2,39/04	16338	4	17*,28/04	16706	10	12/04
14358		N34,N47/03;N1,N5,N15/04	14925	23	33/04*	16343	8	38/04*	16707	10	5,12,17,26/04
14360	36	47/03;4,5,6,15/04	14926	10	32*,47/03;7,8,10,20,24/04	16363	12	10/04	16708	25	50/03;12/04
14364	6	4,39/04	14927	24	47/03;7,8/04	16380	14	32/04*	16709	22	11,12,26/04
14373	2	34,49/03;1,4,39/04	14928	21	7,10,20/04	16382	10	6/04	16710	16	10,12,14/04
14380	19	49/03;6/04	14929	24	7/04	16420	10	46/03*	16711	2	12/04
14386	3	6/04	14930	25	15*,32,41/04	16423	2	47/03	16712	1	12/04
14404	4	47/03	14932	23	1,5,19,32/04	16431	7	50/03*	16713	2	12/04
14415	4	36/03	14933	24	1,30,32,40/04	16432	11	3/04*	16723	15	6,12/04
14420	27	40/03**	14934	27	1/04	16433	8	14/04*	16741	10	16/04*
14756		N50/03;N11/04	14935	21	1,10/04	16434	6	29/04*	16760	10	12,42/04
14757		N15/04	14937	24	10/04	16435	6	24/04*	16761	16	42/04
14758		N32,N49/03	14938	23	1,7/04	16440	14	44/04*	16762	9	12,14/04
14769		N13/04**	14942	25	1,40/04	16442	7	41/03*	17003	4	35,36/03;6,42/04
14771	17	32/04*	14961	12	3*,26/04	16446	8	30/04*	17005	10	34,35,43/03;3,6,30,31,35,42/04
14774	17	40/04*	14962	20	16/04*	16450	2	34*,44/04	17008	12	36/03
14782	24	47/03	14964	21	18/04*	16462	6	32/04*	17300	30	39/03
14784	20	41/04*	14965	21	2/04	16463	7	3/04*	17302	18	49/03;32,43/04
14785	17	18/04*	14966	26	15/04*	16465	2	41/04*	17303	10	24*,32,43/04
14786	13	49/03;19/04	14967	22	26/04	16467	2	40/04*	17316	20	25/04
14791	18	22/04*	14970	25	1/04	16474	8	18/04*	17317	20	18/04*
14800	9	20/04	14972	26	32/04*	16477	7	18/04*	17318	5	39/03
14802	30	20/04	14974	24	5/04	16478	10	5/04*	17320	16	14*,39,42,43/04
14803	26	49/03	14975	33	43,49/03;10,24/04	16480	10	34,50/03	17323	10	29,39/03;5,25,31/04
14805	24	21/04*	14982	9	16/04*	16484	7	14/04*	17324	13	39/03;5,43/04
14811	16	20/04	14983	9	46/03*	16486	7	24/04*	17325	8	38/04*
14813	21	49/03;19/04	14985	9	41/03*	16487	6	20/04*	17326	13	43/04
14814	24	36/04	14986	9	46/03*	16490	8	6/04*	17327	21	46/03*;26,43/04
14815	23	41/04*	14987	9	3/04*	16500	9	33/03	17328	7	10/04*
14816	24	17/04*	14988	10	41/03*	16501	7	16/04*	17330	8	10*,14/04
14820	20	15*,24,35/04	14990	4	6/04*	16511	7	17*,28/04	17331	7	14/04
14822	31	38/04	14991	10	8/04*	16514	4	14/04*	17333	8	3*,14/04
14823	30	36/04	14992	11	32/04*	16515	7	38/04*	17335	6	14/04
14824	26	5*,19/04	14993	12	16/04*	16516	7	24/04*	17336	8	14,17,28/04
14826	27	49/03;8,20,30,35/04	14994	11	21/04*	16517	6	16/04*	17337	8	14/04
14829	6	15*,30,32,35/04	15017	4	10/04	16520	22	25*,41/04	17338	13	14,31/04
14830	31	39/04*	15043	3	34,47/03	16522	6	16/04*	17339	11	14/04
14832	34	49,51/03;24,26,38/04	15044	3	34,47/03;1/04	16528	16	33/03;6,41/04	17341	8	14/04
14833	26	18*,19,24,38/04	15046	4	47/03;14/04	16529	15	24/04*	17360	33	31*,36/03;13,14,39,42/04
14835	31	7/04	15061	3	50/03	16530	6	33/03;6/04	17362	10	14/04
14836	27	10/04	15064	1	50/03	16531	7	41/04	17363	13	14,41/04
14837	27	5/04	15066	5	32,47/03	16532	6	41/04	17365	12	14/04
14838	3	38/04	15067	2	47,49/03	16535	12	31/03;43/04	17367	11	14/04
14839	36	43,49,51/03;5,8,33,40/04	15069	4	47/03	16540	11	27,31,40/04	17368	6	14/04
14841	28	14*,30/04	15070	3	49/03	16547	9	18/04*	17369	6	14/04
14842	13	46*,51/03;10,26/04	15074	1	6/04	16549	15	41/03*;32,42/04	17370	10	3/04*
14843	23	18/04*	15080	1	47/03	16553	4	22*,40/04	17372	11	48/03*;31,42/04
14844	32	18*,26/04	15083	6	14/04	16561	1	29,35,44/03;25,39/04	17375	21	25/04*
14845	27	14*,26/04	15160	5	50/03	16566	10	29,44,49/03	17376	7	44/04*
14846	12	16*,33/04	15163	2	50/03	16570	10	32/04*	17377	1	16/04
14847	30	43,47/03;33/04	15300		N10/04	16575	1	1/04	17378	14	17/04*
14848	56	15,20,43/04	15444		N19/04*	16576	4	47/03*	17379	1	16/04
14850	52	2*,24,43/04	15563		N20/04*	16580	12	9*,18,32/04	17381	10	16/04
14852	45	2,10,15,21,24,26,36,43/04	15690		N35/03	16590	10	1/04	17382	15	36/03;13,16,28,43/04
14853	15	39*,44/04	15946		N47/03	16591	9	16/04*	17383	2	31/04*
14854	13	15,38,44/04	16003	16	36,48/03	16592	9	1,18/04	17384	8	15*,43/04
14860	35	26,30/04	16004	11	48/03	16593	11	1/04	17385	14	13,16,18,43/04
14862	28	26,30,41/04	16005	9	36,48/03	16594	13	1/04	17386	3	16,18,39,42/04
						16595	14	1/04	17387	13	16/04

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17400	16	44/03;14,16,32,39,42/04	18418	6	31,33/04	18622	53	30*,43/04	19002	9	N29,N46/03;N6,N8,N12,N16,N22,N23,N24,N26,N29,N36,N41/04
17401	11	18/04*	18419	11	46/03;1,9/04	18623	11	4,7/04	19004	37	18*,23,24,26,36,41/04
17402	10	16,39,42/04	18420	1	47,49,50/03	18626	15	32/04	19007	17	21*,23,26,36,41,43/04
17403	13	16/04	18421	46	50/03*;8,9,17,22,27,35,42/04	18640	24	38,42/03;4,33/04	19008	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17404	12	16/04	18423	34	12*,13,17,22,27,28,31,35,42/04	18643	17	33,41,43/03;19,33/04	19009	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17405	14	46/03;16,18,26/04	18424	25	45/03	18645	24	33,38/03;5,33,36,37/04	19010	18	18*,19,22,23,24,26,36,41/04
17406	7	17*,26/04	18427	22	18/04*	18649	63	48*,50/03;2,5,11,16,19,20,21,25,31,33,36,40,41,42/04	19013	17	18*,22,23,24,26,36,41,43/04
17407	15	10/04*	18429	9	27/04	18650	52	47/03*;11,19,20,21,36,40,41,42/04	19016	10	3*,19,43/04
17408	8	34/04*	18430	8	5*,17,27/04	18651	42	48/03;16,41/04	19320	16	6,8,12,22,41/04
17409	10	44/03;16/04	18431	6	1,22/04	18652	32	36*,40,43,46,48,49/03;5,11,16,19,20,25,26,29,33,36,38,40,41,43/04	19322	8	14/04*
17412	2	49/03	18432	5	22/04	18653	9	43,50/03;16,20,25,33/04	19324	22	13/04
17413	2	44/03;32/04	18433	5	32,36/03;9,17,22,42/04	18654	43	22*,33/04	19327	10	43/03
17420	26	36/03;13,30/04	18434	5	2*,13,17,35/04	18655	58	33,38/04	19329	8	10/04*
17422	8	13,29/04	18435	27	3*,8,21,22,28,30,35,39,41,42/04	18656	53	33,40,43,48/03;11,26,29,33,38,43/04	19330	10	14/04*
17423	13	13/04	18441	43	39*,45,47,51/03;6,8,17,22,28,31,35,39,41,42/04	18657	18	40/03;26,38/04	19331	7	43/03
17424	7	22/04*	18443	16	16*,31/04	18658	30	17*,26,38/04	19339	1	N30,N47/03;N8,N10,N23,N24,N26,N36/04
17426	14	44/04*	18444	15	34/03;1,31/04	18659	14	43,48/03;29,38,43/04	19340	26	29,30,36,47/03;8,10,13,23,24,26,36/04
17427	7	36/03	18445	30	13*,21,22,28,30,35,39,41,42/04	18660	2	29*,43,49/03;21,26,29,41/04	19342	10	15*,19/04
17428	7	36,43/03;13,29,44/04	18446	16	47*,51/03;8,22,28,39,41/04	18661	27	43,49/03;13,17,21,26,29,40/04	19347	17	29/03;23/04
17429	2	N13,N29/04	18447	27	28/04*	18662	20	43,44/03	19348	8	15/04*
17430	10	36/03;13,44/04	18448	33	1*,8,13,17,21,22,28,30,35,41,42/04	18663	5	43/03;17/04	19351	9	23/04
17431	11	21/04*	18449	18	50*,51/03;6,22/04	18666	1	33,48/03;38/04	19353	12	6/04
17432	7	23/04*	18450	18	18*,22/04	18680	30	33,35,38,40/03;19,31,33,36,37/04	19357	22	30,36,47,50/03;10,13/04
17434	12	33*,44/04	18452	16	34,38/03	18682	14	10*,37/04	19359	11	8/04*
17435	16	40,49/03;13/04	18453	24	36,38,42/03;6,22,35,41/04	18685	32	36*,46/03;17,19,22,33,36/04	19361	8	5/04*
17436	6	19/04	18454	4	N28,N42/04	18686	13	34/04	19362	12	10,13,14/04
17437	7	22/04*	18455	2	N34,N38/03	18700	22	40/03*;13,21,34/04	19366	36	50/03;10,13,14/04
17438	12	36/03;22,30/04	18456	19	21,30/04	18703	25	40/03*;7,13/04	19367	37	50/03;30/04
17441	7	22,30/04	18458	15	34,38/03;13/04	18705	25	40/03*;7,13/04	19369	5	36,50/03;10,14,30,37/04
17443	12	36/04	18459	5	N34,N38/03;N13/04	18707	13	30/04*	19379	1	N30,N46/03;N12,N13,N16,N22,N29/04
17445	2	36/03;22,30/04	18460	11	43/03;3,17,30,31,35/04	18710	31	11,21,23,24,25,29,34,38/04	19380	15	8*,12,16,22/04
17460	N19/04*		18461	23	30/03	18721	11	39/03;21,34/04	19381	8	7,12,16,22,29/04
17464	4	12/04	18463	36	18*,27,28,31,33,35,42/04	18723	3	34/04	19383	17	23/04
17470	N41/03		18471	9	36/03*;8,28,42/04	18725	27	32/03*;19,21,23,24,25,32,36,38,40/04	19385	8	3*,16/04
17471	N47/03*		18473	7	34,38,45,47,51/03;6,8,22,28,35,39,41,42/04	18724	1	15,23,32/04	19387	9	N46/03;N12,N23,N43/04
17472	4	36,41/03	18474	8	5*,8,22,30,35,41,42/04	18725	27	32/03*;19,21,23,24,25,32,36,38,40/04	19388	2	N46/03;N43/04
17474	4	36,41/03	18475	1	35/03	18727	12	42/04*	19480	7	6,35/04
17480	4	36/03	18476	5	18*,39/04	18728	8	29/04	19482	9	6/04
17482	N41/03		18477	5	6,22,28,35,39,42/04	18730	1	N29/04	21005	5	15/04
17483	N41/03		18480	29	43/03;3,6,30,31,35/04	18740	40	46*,49/03;1,5,7,14,19,22,23,24,25,26,28,29,31,34/04	21008	62	36/03
17484	3	41/03;31/04	18484	11	18*,30,31/04	18741	18	N38/03;N1,N7,N14,N19,N22,N25,N26,N31,N34/04	21033	46	1/04
17485	4	41/03	18485	15	29/03;17,30,31,35/04	18744	31	29*,32/04	21036	7	1/04
17513	N9,N12/04		18486	29	22*,35/04	18746	35	11*,19,25,36/04	21125	13	36/03
17515	7	36,43/03;12,33/04	18502	85	33*,37/04	18749	38	31,39,41,49,50/03;5,7,22,31,34/04	21140	1	36/03;7,19,22/04
17517	8	34/03;30/04	18504	65	35/03;3,21,27,37/04	18751	42	31,39,46,49,50/03;5,7,19,22,31,34/04	21160	1	15/04
17518	7	41,47/03;10,17,42/04	18520	24	14,22,35/04	18754	17	39*,43/03;23,34/04	21180	1	15/04
17520	2	N34/03	18521	70	5*,13,14,19,20,31,35,38,42,43/04	18756	8	14/04*	21384	4	11/04*
17523	N19/04*		18524	34	30*,31,37,42/04	18757	10	41/03;5,36/04	21401	20	37/04
17524	N49/03		18525	34	25*,31,42/04	18758	6	33,49/03;4,11,13,23,41/04	21441	27	15,31/04
17525	N43/03		18526	56	15*,17,19,20,31,42/04	18760	6	N35,N36,N44/03;N1,N7,N11,N19,N21,N22,N24,N25,N26,N29,N34,N42/04	21482	1	36,46/03
17526	N19/04*		18527	21	48/03	18761	2	N1,N16,N28,N34/04	21520	1	29/03
17528	N19/04*		18531	21	15*,19,20,22,31,41/04	18762	15	1,16,28,34/04	21521	14	29/03
17543	17	43/03;14/04	18532	20	52/03	18763	10	18*,23,28,34/04	21525	19	38/03
17545	13	43/03;12,14/04	18539	9	21/04*	18765	15	46/03;7,14,16,19,20,22,26,36/04	21543	13	9/04
17546	22	34,35,43/03;14/04	18543	2	15/04*	18766	7	36/03;7,19,22,26/04	21544	20	24/04
17548	28	43/03;30/04	18545	15	50/03*	18768	4	N36,N38/03;N7,N19,N22,N26/04	21546	3	24/04
17549	6	3/04	18546	10	19/04*	18769	2	N1,N34/04	21563	3	38/04
17550	4	43/03;3,6,31,35/04	18551	8	18/04*	18772	47	48/03;23,36/04	21580	40	52/03
18000	8	36,44/03;11,21,22,42/04	18553	7	24/04*	18773	39	40*,41/03;4,14,23,31,34,43/04	21581	5	41/03
18002	6	N36,N44/03;N11,N21,N22,N34,N42/04	18555	25	17/04*	18774	10	49/03;4,11,13,14,19,23,25,26,31,36,41/04	21582	3	16/04
18003	19	41,43/03;3,6,22,30,35/04	18556	37	48/03;1/04	18775	2	N1,N16,N34/04	21584	2	41/03
18005	4	N40/03;N4,N10,N21,N31,N33/04	18561	12	12*,22/04				21601	4	31/03
18006	3	N21,N34/04	18580	21	51/03;17/04				21602	1	18,37/04
18007	31	35,41/03;4,5,6,7,16,22,24,27,33,35/04	18581	17	36,50,51/03;14,38,42/04				21603	9	31,36/03;11/04
18008	7	N35,N37,N41/03;N4,N5,N6,N7,N16,N22,N24,N27,N33,N35/04	18583	38	43/03;38,39/04				21604	25	4/04
18009	2	N40/03;N10,N31,N33/04	18584	47	30,48,52/03;1,13,27,37,42/04				21605	7	31/03
18010	20	33,40,47/03;4,5,7,16,24,27,31,33,36,37/04	18587	69	30*,38,42,43/04				22004	38	29/03;2,7,32/04
18020	37	47/03*;1,4,7,11,19,21,22,24,25,26,29,31,33,34,36,42/04	18588	37	36/03;22,26,31,38/04				22008	35	29,32,38,47/03;7,25,32,33,40/04
18022	34	3*,4,7,11,13,19,21,22,23,24,25,26,28,29,31,33,34,36,37/04	18589	15	44/03;22,41/04				22012	31	29,32/03;25/04
18400	44	41*,43,47,49/03;3,8,10,17,27,28,30,31,35,42/04	18600	14	44,47/03;5,16/04				22032	20	40/03
18401	12	34/03	18601	13	1/04				22036	28	51/03;2,21,22/04
18409	8	41/03;42/04	18602	12	47/03;1,14,41/04				22051	19	39/04*
18412	10	35/04	18603	16	5,16/04				22052	7	24/04*
18414	9	3/04	18620	23	4,7,24,27/04				22053	4	N20/04**
18415	8	32,39,47,50/03;3,9,10,22/04							22054	1	20/04*
18416	6	46/03;17,31,33,42/04							22082	4	38/03;20/04
									22084	4	35,37/03;15/04

## SECTION I

NM 44/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
22090	2	33/04	22434	2	35/03	24294	22	37,46/03	26060	1	42/03
22101	19	37/03	22437	2	22/04	24355	2	37/03	26068	11	50/03
22102	19	25/04	22461	1	21/04	24370	1	48/03;1,44/04	26081	8	42,43/03;16/04
22103	2	25/04	22471	31	2,6,8,22,27/04	24375	2	38/03;44/04	26083	14	19/04
22111	4	33/04	22481	35	2/04	24376	1	38/03	26100	4	31/03
22112	3	37/03;5,10,25,33/04	22482	16	9/04	24380	2	48/03;1/04	26122	30	30/04
22113	8	5,10,25,33/04	22492	3	34/03	24381	14	28/04	26125	3	41/03
22114	5	33,37/03;5/04	22521	3	34/03;33/04	24390	3	28/04	26127	21	11/04
22117	3	37/03;5/04	22523	3	34/03;33/04	24404	9	34/04*	26129	11	41/03
22120	3	29,32/03;7,32/04	22529	3	35/03	24430	5	31,52/03;24,34/04	26130	20	11/04
22121	9	29,32,47,51/03;18/04	22531	2	35/03	24431	14	31,52/03	26147	31	19/04
22124	2	29,32/03	23000	5	51/03	24433	3	52/03	26186	17	14/04
22125	1	32/04	23010	4	24/04	24434	4	52/03;34/04	26188	11	15,44/04
22130	2	29,32,38/03;2,7,32/04	23030	6	37,42/03;14/04	24435	5	34/04	26218	2	31/03
22138	3	11/04*	23071	3	24,29/04	24444	2	23/04	26219	5	31/03
22140	2	47/03;7,32/04	23121	7	19/04	24450	3	47/03;6,30/04	26220	6	11/04
22142	2	40,47/03;7,32,41/04	23123	3	19/04	24460	4	29,32,47/03;30/04	26224	32	35/04
22143	4	29/03;11,25/04	23124	3	N19/04	24461	4	38,47/03;30/04	26229	11	31/03;9,32,35/04
22160	2	7,41/04	23125	4	19/04	24462	5	29/03	26230	12	31/03;9,32,35/04
22170	3	25,33,40,41/04	23131	7	30/04	24463	6	38/03;13/04	26237	3	43/04
22172	8	29/03;11,41/04	23141	7	37/03	24465	6	38/03	26244	3	40/04
22173	36	29/03;11,17,21,33,40,41/04	23142	10	37,47/03	24470	4	13,34/04	26247	19	43/04
22180	2	32/03	23145	3	37,51/03;14/04	24480	1	42,48/03;21/04	26250	18	40/04
22181	17	10*,17,40,41/04	23153	8	49/03	24481	7	34/04	26259	2	40,43/04
22182	7	10*,11/04	23159	2	25/04	24482	2	31/03	26282	6	34/03
22183	4	52/03*;21/04	24004	36	41,42,46/03;33/04	24484	3	31/03	26295	1	34/03
22190	2	29/03	24016	53	13/04	24491	3	32/04	26308	5	34/03
22221	20	31,34/03;1/04	24028	6	28,44/04	24492	20	32/04	26309	27	11/04*
22222	1	31/03;1/04	24050	11	31,32,33,51,52/03;6,14/04	24500	1	7/04*	26310	1	N48/03*
22225	2	40/03	24052	16	39/04*	24502	6	34,47/03;41/04	26320	5	31,40/03;19/04
22233	29	37/03	24055	6	42,50,51,52/03;6,26/04	24504	7	42,48/03;21/04	27005	4	34/03;19/04
22234	1	1/04	24057	5	43/04*	24508	3	24/04	27040	5	40/04
22250	2	4/04	24058	2	29,30,42,44/03;7,9,33/04	24509	2	34,42/03;12,21,30/04	27041	4	40/04
22252	18	2,21/04	24060	2	32/03	24510	2	42/03;21,24,30/04	27042	21	41,42/03;10,40/04
22259	4	2,36/04	24091	6	46/03;22/04	24511	2	42,48/03	27044	27	40/04
22262	3	13/04	24092	14	22/04	24512	3	38,42/03;24/04	27060	2	34/03
22263	1	37/03;4/04	24100	5	46/03	24513	18	38,42/03;24/04	27061	5	28/04
22264	2	37,41/03;36/04	24103	3	10/04	24517	2	40,42/03	27080	4	39,52/03
22275	3	2/04	24110	3	35/03	25001	7	52/03	27081	6	19/04
22281	9	4,13/04	24130	14	33/04	25017	5	31,34,39,52/03;15/04	27082	6	19/04
22282	17	4,14/04	24133	6	31/03;36,37/04	25018	9	31,34,39,52/03	27083	39	4,24/04
22283	3	N14/04**	24140	18	41,42,46/03;6,7,11,22/04	25400	2	20/04*	27120	4	16,30/04
22284	7	N5/04**	24141	4	37/04	25480	1	52/03;8/04	27122	5	19/04
22285	1	14/04*	24142	43	7,11/04	25481	25	8,26/04	27160	2	35/03
22286	1	5*,13/04	24149	1	52/03	25482	16	43,44/04	27206	18	9,25/04
22290	4	30/03	24150	27	41,47/03;6,7/04	25483	20	8,33/04	28004	1	27/04
22293	15	37,38/03;21/04	24151	4	41/03;6,7/04	25485	45	36/03;10,30/04	28006	1	27/04
22294	15	16,21/04	24152	2	41,47/03;6/04	25487	2	36/03;10,30/04	28053	3	42,47/03
22305	2	30,34/03;27/04	24153	6	39,47/03;6/04	25524	43	32/03;23/04	28154	2	38/03
22311	19	13/04	24154	12	33/04	25525	17	23/04	28165	20	20/04*
22312	2	30/03;9/04	24155	6	46,49/03	25526	2	32/03;23/04	28167	4	16,33/04
22313	2	38,40/03;13/04	24160	21	47/03;10,15,22,33/04	25527	31	32/03	28168	22	16,33/04
22314	1	40/03	24161	11	32,39,40,47/03;10,26,33,36/04	25566	27	30/03	28170	1	38/04
22322	11	33/03**	24162	9	32,39,40,42,47,52/03;10,26,36,37,40/04	25575	4	35,39/03;14,15,18,44/04	28190	2	16,30/04
22331	2	N1,N2,N27/04	24164	6	39,41,47/03	25600	47	1/04	28196	4	16,30/04
22335	4	52/03;27/04	24170	14	35/03;9,22/04	25601	34	37/04	28197	4	16,30/04
22341	9	29,52/03;2,27/04	24171	19	37,52/03;16,22,26,33/04	25607	4	48/03;31/04	28221	18	16/04
22342	9	29/03	24172	4	22/04	25608	22	33/04*	28260	30	16/04
22343	1	N41,N52/03;N2,N27/04	24180	15	40/03;36/04	25609	5	1/04	28263	3	16/04
22344	6	N52/03	24190	15	35/04	25610	8	2/04	28300	1	16/04
22351	1	N35,N41,N52/03;N2,N27/04	24200	14	9,13,35/04	25611	22	1/04	28302	16	7/04
22352	6	35,52/03;1,2,27/04	24201	5	49/03;9,35/04	25613	3	20*,25/04	28310	2	7/04
22360	2	52/03;2,27/04	24202	6	31,35,46/03;21/04	25640	41	22/04*	29002	9	29/03
22361	2	N30,N32,N33,N34,N52/03;N2,N27/04	24203	36	49/03	25641	27	15/04*	29012	8	7/04
22370	2	30,33,34/03;2/04	24204	14	42/03;29/04	25645	17	15/04	29015	5	7/04
22371	5	30,32,33,52/03;2,4,27/04	24211	7	36/04	25647	10	16/04	29040	3	39,48/03;7,14/04
22373	1	N30,N32,N33,N34/03;N3,N27/04	24215	1	29/04	25649	19	44/03*	29101	6	7,8,13/04
22375	1	N2,N4/04	24220	14	39/03;29/04	25650	34	25/04*	29105	5	49,50/03;8,11/04
22377	1	N2,N4/04	24221	16	29/04	25653	13	14,21,29/04	29106	5	34/04
22379	1	N30,N32/03	24222	3	39/03	25654	13	14,21,29/04	29107	2	29,36/03;21/04
22395	2	30/03	24223	33	39/03;33/04	25655	12	41/04*	29121	5	8,12,13/04
22401	4	N30/03	24224	1	15/04*	25661	12	40/04*	29122	5	34/04
22407	1	N30/03	24230	20	52/03;9/04	25663	27	30,39/03;29/04	29124	1	21,34/04
22409	4	N36/04	24233	15	9,22,33/04	25664	15	30,39/03;29/04	29127	4	29,39,42/03;21,34/04
22410	32	40/03	24234	3	35/03	25666	17	11/04	29141	3	29,39/03
22412	2	2,4/04	24240	5	39,46,52/03;44/04	25668	19	34/04*	35000	26	42/04
22415	8	2,4/04	24250	5	39/03;13,22,44/04	25670	42	2*,14,41/04	35001		N28*,N37/04
22417	1	N1/04	24251	23	39/03	25671	18	21/04	35002		N19*,N37,N42,N43,N44/04
22420	2	30,40/03	24252	5	39/03	25673	15	43/03;36/04	35003		N19*,N37/04
22421	4	N4/04	24270	3	29/03	25679	10	11,15,31/04	35004		N19*,N37/04
22427	1	N40/03;N9/04	24271	14	29/03	25681	16	34,39/03;15,32/04	35005		N23*,N30,N37,N42,N44/04
22430	6	22/04	24274	2	29/03	25683	18	32*,34,39,52/03;36/04			N24*,N42,N43/04
22433	3	35/03;22/04	24292	4	22/04	25685	9	52/03	35006	21	N24
			24293	6	37,42,46/03;33/04	25687	12	30/03*	35008	19	23/04
						25848	25	11/04	35009		28/04**
						26050	1	47/03	35010		N28/04*

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
35011	2	31/04	37025	26	31,33,34,36,38,41,43/03;	37200	15	30,35/03;15,23/04	38540	4	34/04
35013		N23/04*			3,4,10,11,15,26,43/04	37205	2	30,40/03;15/04	38545	2	N34/04
35014		N23*,N41/04	37030		N28*,N37,N41/04	37221	13	29,30,32,50,51,52/03;5,8,	38546	2	32/04
35016	17	31/04	37031		N34/04*			11,16,18,19/04	38560	5	32/04
35025		N23*,N42/04	37032	2	31,38,42,43,45/03;3,4,9,	37222	13	30,46,52/03;16,32/04	38561		N34/04
35027		N24*,N42/04			15/04	37223	14	30,32,34,35,39,43/03;7,	38565		N32,N34/04
35028		N28*,N42/04	37033	2	33/03;15,17,43/04			11,16,21,24,39/04	38580	8	34/04
35032	16	12/04	37034	2	33,41/03;10,15,P18,	37224	11	30,37/03;16/04	38581	3	34/04
35034		N31/04*			22/04	37226	17	51/03;32/04	38584	2	34/04
35035		N28*,N29/04	37035		N34*,N42/04	37228	14	29,30/03;44/04	38585	4	34/04
35036	21	43/03;12,13/04	37036		N34*,N37,N41/04	37231	18	50,52/03;8,19,21/04	38588	7	30,34/04
35037		N31/04*	37037		N34/04*	37232	12	29,31/03	38589		N34/04
35038		N32/04*	37038		N34*,N37/04	37234	13	31/03	38591		N34/04
35039		N32/04*	37039		N36*,N38,N42,N44/04	37235	11	5/04	38607	2	1,14/04
35040	18	24/04**	37043	17	43,46/03;12/04	37238	6	30,33,37,40,41,45/03;7,	38610	1	1,13,38/04
35041	8	23/04**	37046	18	43,46/03;12/04			25,30/04	38641	4	3,13/04
35042	9	24/04**	37050	9	12,26,31,32,44/04	37241	17	30,32,33,35,37,39,43,	38650	1	3,12,13/04
35043	5	28/04**	37051		N37*,N42/04			45/03;7,29/04	38670	2	1,13/04
35044	9	36/04**	37052		N36*,N42,N44/04	37242	10	30,32,35,39,43/03;11/04	38682	3	13/04
35045		N32/04*	37053		N43/04*	37243	7	30,32,37/03;24/04	38683	3	13/04
35046		N32*,N37/04	37054		N37/04*	37244	11	30,32,33,35,37,39,43,45,	38690	2	13/04
35047	5	31/04**	37055		N37*,N38/04			46/03;7,20,24,25,29,	41060	3	52/03
35048		N32/04*	37056		N37*,N38/04			31/04	41100	2	N46,N52/03
35049		N33/04*	37057		N38/04*	37246	14	30,32,33,35,39,40,43,45,	42004	1	N13,N16/04
35050		N28*,N37/04	37058		N38/04*			46/03;1,11,22,24,25,29,	42036	2	43/03
35051		N33*,N37/04	37059		N38*,N42/04			31,38/04	42038	2	43/03;16/04
35052		N33/04*	37060	3	43,46/03;12/04	37248	18	30,32,35,40,41,43,45/03;	42040	3	16/04
35053		N33/04*	37062		N38*,N42/04			7,12,20,22,25,29,31,38,	42046	3	16/04
35054		N33/04*	37063	21	43/03			39/04	42052	2	16/04
35055		N23*,N42,N44/04	37075	3	43/03;12/04	37258	4	27,32,33/04	42141	3	6,12/04
35060	14	28/04**	37080	3	12,23,26,27,31,32,33,37,	37261	10	27,32,33,38/04	42160	3	38/03;12,42/04
35080	16	23/04**			44/04	37262	20	27,32,33/04	42301	3	38,52/03;15/04
35081	15	28/04**	37081	23	32,33/04	37264	3	33,37,44/04	42560	5	31,38,40/03
35082	7	31/04**	37082	9	24,33/04	37265	3	32/03	42580	5	40/03;44/04
35083	8	32/04**	37090	8	12,23,26,27,29,32,37/04	37281	15	29,33,37/04	42600	5	30,40/03
35084	15	32/04**	37095	3	32,39/03;27,29,38,44/04	37320	16	36,38,44/03;7,12,21,26,	42620	5	38/03;44/04
35085	3	32/04**	37103	9	12,26,44/04			27,31,32/04	42640	6	38,40/03
35086	5	32/04**	37104	3	44/04	37325	8	38/04	42660	5	38/03
35087	3	33/04**	37106	4	32/03;26,44/04	37326	2	36/03	42740	5	31,40/03;44/04
35088	2	28/04**	37110	11	31,32,39/03;12,26,32,38,	37328	2	26,33,37,39/04	42742	3	30/03;11,13/04
35099	3	33/04**			44/04	37330	2	27,31,32,33,44/04	42760	5	47,52/03;2,11,13/04
35100	14	23/04**	37111	1	27/04	37342	3	45/03;12/04	42762	3	N30,N47,N52/03;N11,
35101	6	33/04**	37115	2	31,32,39/03;12,26,32,	37343	10	12/04			N13,N20/04
35103	5	33/04**			44/04	37344	11	38,45/03;13/04	42765	3	47,50/03;2/04
35120	13	23/04**	37120	2	30,32,39,42,43,44,45/03;	37360	15	31,36,38,39,43,44,45/03;	43000	4	16/04
35130	3	24/04			12,20,24,25,26,27,31,32,			9,11,12,13/04	43015	12	42/04
35136	2	24/04			38,39,44/04	37362	6	32,33,38,39/03;12,14/04	43030	24	30,32,46,48/03;1,3,6,8,9,
35200	7	28/04**	37121	11	12,26,27,32,33,39,43,	37363	8	32/03			14,15,16,17,19,20,23,28,
35205	3	31/04			44/04	37380	2	38,39,41,43/03;7,11,12,			29,30,37/04
35210	3	31/04	37122	12	31,44,45/03;12/04			13,19,21,23,39/04	43040	6	38,47/03;2,16/04
35299	9	43/04	37123	9	27/04	37400	10	31,34,36,41,43,46,47/03;	43041	2	16/04
35350	2	23/04	37125	15	27,32,33,39,43,44/04			1,7,9,11,19,21,23,39/04	43058	3	16,37/04
35363	1	12/04	37126	8	38,39,43,44/04	37401	9	31,36,43,44,47/03;1/04	43059	3	16,37/04
35365	1	12,23/04	37127	11	27/04	37402	7	1,30/04	43060	4	16,37/04
35380	8	12/04	37129	6	30,42,45/03;7,20,26,27,	37403	23	41/03;37/04	43062	2	16/04
35390	2	12/04			31,32,38/04	37420	1	41/03;9,37/04	43063	2	16/04
35400	11	18/04	37133	4	28/04**	37421	8	41/03	43064	2	16/04
35420	13	12,18/04	37134	5	34/04**	37423	5	41/03	43079	2	21,30/04
35424	3	18/04	37136	6	34/04**	37441	4	37/04	43080	4	44/03;16,20,22,37,41,
36005	2	31,43,44/03;13,23,26,27,	37137	6	34/04**	37443	2	38,45/03;7,37/04			43/04
		31/04	37138	5	34/04**	37445	1	34,38/03;28/04	43081	4	16,37/04
36010	27	43/03	37139	8	36/04**	37446	2	34/03;28/04	43082	5	47/03;20,21,30,37,41,
36015	2	44/03;13,26/04	37140	33	30,32,42,43,44,45/03;12,	37461	9	36,50/03;3,15,25,26,33,			43/04
36032		N39/04*			24,25,26,27,32,39,44/04			35,37,44/04	43083	4	16,20,22,23,37,41,43/04
36033		N39/04*	37141	29	31,45/03;23/04	37463	6	43/03;1,2,3,4/04	43084	3	16,23,41,43/04
36034		N39/04*	37145	23	37/04**	37481	7	30/03;17,20,21,25,36,39,	43100	4	22,29,41/04
36035		N39/04*	37147	15	36/04**			40,41,43/04	43101	3	29,41,43/04
36036		N41/04*	37148	13	43/04**	37501	3	33/03;32/04	43102	4	29,41/04
36040	16	6/04	37149	10	37/04**	37505	2	33,41/03;15,41/04	43103	4	29/04
36060	17	2,17/04	37150	8	37/04**	37506	4	33,48/03;11,26,32/04	43104	4	29/04
36120	9	17/04	37161	14	37/04**	38032	6	34/04	43106	6	44/03;7,10/04
36125	7	30/03	37162	12	30,32,33,35,37,39,40,41,	38040	5	34/04	43107	1	7/04
36137	4	39/04**			43,45,46/03;7,29,39/04	38041	1	34/04	43120	4	5,7/04
36138	3	39/04**	37163	19	32,43/03;11,12,22,25,	38044		N34/04	43122	3	7/04
36139	4	39/04**			31/04	38100	4	33/04	43123	3	7/04
36140	12	39/04**	37164	4	30,32,35,37,43,46/03;7,	38105		N33/04	43124	5	3,5,7,10/04
36141	7	41/04**			22,24,39/04	38200	2	33/04	43125	7	44/03;7,10/04
36143	4	30,43/03	37165	2	30,32,34,35,37,39,43,45,	38266	1	33/04	43126	4	5,7,20,25,41/04
36161	10	21/04			50,52/03;1,5,7,8,11,15,	38320	3	35/03	43127	5	1,3/04
36165	6	30,43/03;21/04			39/04	38460	7	32/04	43140	4	35,38/03;1,5,25,30,41/04
36180	23	44/03;13/04	37166	2	30,32,33,34,35,37,39,40,	38461		N32,N33/04	43141	5	5/04
36181	18	13/04			41,43,45,46,51/03;7,11,	38463	2	N32/04	43142	4	1/04
36182	6	13/04			12,21,25,39/04	38480	6	48/03;32/04	43144	4	43/03;20,21,22,25,30,
37000	22	43/03	37170	11	38/04**	38482		N32,N33/04			38/04
37005	16	29,30,50,51/03;5,8/04	37175	2	38/04**	38483		N32/04	43145	4	20,25,30,38/04
37010	23	29,30,43,50,51/03;5,8,12,	37180	20	38/04**	38500	6	32/04	43146	2	34,35,44/03
		15,32,39/04	37182	14	38/04**	38501	2	32/04	43147	3	35,38/03

## SECTION I

NM 44/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
43148	4	43/03	44000	16	44/03;19,42/04	44184	9	32,48,52/03;8,11,21,24,27,40,42,43/04	44465	2	47/03;22,43/04
43150	2	N34,N35,N38,N41/03;N20,N21,N22,N30/04	44001	2	50/03;8,9,11,18,19,36,38/04	44185	7	32,48,50/03;9,11,14,18,40,43/04	44481	2	31,50/03;17/04
43160	6	34,35,36,38,41/03;20,21,22,30/04	44015	8	40,44,47,50/03;1,8,9,11,18,19,20,22,27,36,37,40,42/04	44186	2	29,49/03;1,3,11,12,16,21,23,24,40,42/04	51002	7	4/04
43161	2	35,41/03	44030	7	48,50/03;13,20/04	44187	2	39,44,48,50,52/03;2,6,22,33,40,43/04	51007	22	33,40/03;9,10,14,34/04
43162	3	41/03	44036	5	30,32,52/03;5,16,28,30/04	44192	1	39,43,44,48/03;1,2,5,8,9,11,14,15,24,28,30,33,40,41/04	51013	4	33,36,45/03;14,19,30,34/04
43163	3	41/03	44037	5	52/03;27/04	44193	1	43,48,50/03;5,6,9,12,14,15,25,27,32,42/04	51017	31	40,44/03;21,29,30,40,43/04
43164	3	34/03;20,21,22,30,38/04	44038	5	46/03;18/04	44200	9	37,43,47,50/03;12,20,21,25,33/04	51022	11	44/03;21,29,30,40,43/04
43165	2	21,22,23,38/04	44040	23	30,32,44,52/03;1,5,6,16,19,28,29,30,41/04	44203	1	52/03;2,8,12,15,22,29,42/04	51027	8	45/03
43166	2	43/03;23/04	44041	7	52/03;3,8,9,13,20,26,27,28,41,44/04	44204	1	50/03;9,20/04	51032	10	45/03
43167	5	36,42,44/03;20,21/04	44042	7	29,32/03;9,12,13,15,20,22,25,26,27,28,37,41,42,44/04	44205	2	29,31,39,43/03;11,20,22,23,27,43,44/04	51061	14	4,34/04
43168	2	36,42/03	44043	8	52/03;9,16,26,27,28,41,44/04	44206	1	40,46/03;6,11,22,30/04	51062	28	34/04
43180	5	44/03;22,38/04	44044	6	44/03;9,16,24,25,27/04	44207	1	40,41,45,46,50/03;9,21,22,23,30/04	51081	10	45/03;6,19,20,29/04
43181	3	43/03;41/04	44045	6	44/03;5,16,41/04	44220	5	40,45,46,48/03;3,11,20,23/04	51082	7	45/03;19,29/04
43182	4	22,30,41/04	44046	10	1,6,19,27,29/04	44221	1	52/03;3,11,37/04	51100	7	33,34,41/03;10,P18,19,22,23,30,40/04
43200	3	22/04	44047	22	30,31,32,40,48/03;16,29,30/04	44222	1	48/03;11,12,15,23/04	51103	10	17,23,26,34,37,39/04
43201	2	N21,N22/04	44048	11	31,40,48/03;9,13,16,21/04	44223	1	42/03;3,19/04	51104	1	17,23,34,37,39/04
43202	3	22/04	44049	9	30,31,40,48,50/03;1,2,9,12,18,26,29,30,33/04	44224	1	39/03;3,20,37,38,42,43/04	51109	5	5,12/04
43203	3	22/04	44050	21	31,32/03;12,28,30/04	44240	8	39/03;3,20,37,38,42,43/04	51120	6	4/04
43204	4	36/03	44051	1	1,2,9,25,26,33/04	44243	2	17,22,24,26,31/04	51135	1	46/03;4,5,25,27/04
43206	3	14/04	44057	5	29,30/03	44260	7	48,52/03;5,13,16,17,32,42/04	51142	2	33,40,45/03;29/04
43240	4	12/04	44062	8	40/03;1,17/04	44280	9	34,44,47,50/03;11,32,38/04	51143	4	40,45/03;9,29/04
43244	4	12/04	44063	8	1/04	44281	2	45,49,50/03;11,12,19,37,38,42/04	51144	3	46/03;9/04
43245	4	12/04	44064	19	1,6,15,27/04	44282	1	14,20/04	51145	2	41/04
43247	5	44/03	44065	7	6,19/04	44283	2	43,45,49,50/03;13,37,42/04	51146	3	36/03;41/04
43248	3	44,46,47/03;14,25,28,38/04	44066	10	31/03;6/04	44284	2	42,44/03;14,31,32/04	51150	1	33,40,46/03;9,12,28/04
43249	2	10/04	44067	22	6,9,14,15,21,29/04	44285	1	40,44,47/03;11,21/04	51154	3	6,9,29/04
43252	1	44,46/03;14,25,28,38/04	44068	11	40,51/03;9,27,32/04	44286	1	40,47/03;11/04	51155	1	12,29/04
43260	4	46,47/03;10/04	44069	16	40/03;9,14,15,21,29,30,32,44/04	44310	5	37,50/03;19,29,33/04	51158	2	33/04
43261	5	46/03;25,26,27,28/04	44070	7	21/04	44313	1	36,37,39,40/03;11,19,20,22,23,26,33,38,40/04	51159	3	39/03
43262	5	46/03;24,25,26,27/04	44071	4	40/03	44319	2	2,19,38/04	51160	20	45/03;12,14,28,34,38,43/04
43263	7	37,44,46/03;1,21,23,26/04	44072	4	40/03	44320	4	37,49,50,51/03;2,12,19,20,21,41/04	51163	4	43/03;12,19/04
43264	2	46/03;24,25,26,27/04	44073	4	40/03	44321	6	44,45/03;19,20,21,22,23,26,31,38,40,41,42/04	51164	18	43/03;5,14,27,28/04
43265	2	37,46,47/03;23/04	44074	3	30,32/03;14,26/04	44340	11	33,37,49,50,52/03;2,6,7,11,12,18,19,21,23,26,38,40,41/04	51165	8	39/03;5,8,27/04
43266	1	47/03;10/04	44075	4	40/03	44341	7	52/03;18,19,20,26,28,29,31,37,40,41,43/04	51166	3	N39/03
43280	5	37,40,47/03	44076	3	30,32/03;14,26/04	44342	8	52/03;18,22,27,31,42,43/04	51167	6	5,8,14,27/04
43281	6	37,44,46,47/03;1,21,23/04	44077	9	46,48/03;9,14,15,16,23,27,32/04	44352	2	49/03;2,7,24,31/04	51168	2	45/03;14,28,43/04
43283	6	37,40,43,47/03;1,20/04	44078	11	33/03;17,21/04	44360	9	30,31,32,37,39,44,52/03;2,11,24,30,31,36,37,38/04	51181	10	28/04
43284	4	40,43/03;1,20,21/04	44083	8	33/04	44361	6	35,52/03;4,6,15,17,20,40/04	51220	8	43,45,46/03
43285	5	44,49,51/03	44084	1	30/04	44366	1	44,52/03;30,42/04	51223	2	24/04
43287	2	37/03;1/04	44085	2	51/03	44367	2	39/03;13,20,23,26,31,36,41/04	51240	2	43,46/03
43300	5	49,51/03;10,23,38/04	44100	7	31,40,41,46,48,49,51/03;6,9,14,15,16,17,23,27,30,32,37,40,44/04	44400	4	34,41,49,50,51/03;7,12,16,18,19,24,25,31,36,38,40,43,44/04	51260	4	43,44,52/03;43/04
43301	4	49/03;23,30/04	44105	2	41,47,48,52/03;3,20,24,30/04	44401	7	41,49/03;6,12,21/04	51261	23	40,46/03;12,30,32/04
43302	4	10,14,15,38/04	44120	7	33,39,40,41,45,48,49/03;1,3,9,14,17,20,23,27,37,40/04	44410	4	41,45,49,50/03;2,3,9,16,18,22,28,29,31,36,37,38,40/04	51262	23	32/04
43303	4	43/03;14,21,38/04	44140	8	31,40,44,47,50/03;9,20,22,25,37,40,43/04	44420	6	40,44,49/03;5,8,9,11,22,23,24,25,26,27,29,36,37/04	51320	3	40/04
43304	2	43/03;10,14,15/04	44160	7	31,41,47,48,49/03;2,5,9,11,13,19,22,23,25,29,37,40,41,43/04	44430	2	40,44,47,52/03;22,27,30,37,40,42,43/04	51341	23	34/03;15,37,43/04
43320	5	49/03;15,17,20,21/04	44161	2	35,39,41,48,49,50/03;3,8,9,16,20,21,22,27,28,37,38,40,41/04	44440	4	34,41,49,50,51/03;7,12,16,18,19,24,25,31,36,38,40,43,44/04	51342	3	5/04
43321	6	15,16,17,21,23,38/04	44162	1	47/03;9,17,33/04	44441	7	41,49/03;6,12,21/04	51343	3	21,43/04
43322	5	38/04	44164	1	47/03;2,6,12,13,15,23,25,38/04	44442	4	41,45,49,50/03;2,3,9,16,18,22,28,29,31,36,37,38,40/04	51344	2	44/03;26,33/04
43323	4	49/03;15,17,21,23,38/04	44165	1	34,39,45,48/03;2,9,11,12,15,18,24,33,40/04	44444	6	30,34,35,36,38,41,52/03;7,13,20,21,26,40/04	51380	5	42/03;21,29,30,40/04
43324	4	49/03;15,21/04	44178	2	2,16,18,42,43/04	44461	10	31,36,47,50/03;22,30,43/04	51420	5	42/03
43340	13	49/03;15,22/04	44179	2	35,39,51,52/03;3,8,14,18,25,26,42/04	44462	4	39/03	51440	4	42/03
43341	7	49/03;22,38/04	44180	6	43,48,50/03;2,3,6,8,11,12,14,22,25,28,33,37/04	44463	9	22/04	51460	4	22/04
43342	7	49/03;38/04	44181	5	48,52/03;2,8,9,11,12,14,22,25,30,40/04	44484	6	30,34,35,36,38,41,52/03;7,13,20,21,26,40/04	51500	6	41/04
43344	3	39/03	44182	4	42,43,46,48,49/03;1,2,6,8,12,15,18,23,26,27,38,43/04	44464	10	31,36,47,50/03;22,30,43/04	51540	3	45/03
43356	2	14/04	44183	6	35,39,43,46,49/03;2,13,14,15,28,40,43/04	44465	4	39/03	51559	3	23/04
43360	21	30,32,43,52/03;5,7,11,14,16,17,20,26,28,30,37/04				44466	9	22/04	51560	11	50/03
43362	5	44/03							51562	10	50/03
43363	5	17/04							51580	13	41/03
43366	4	44/03							51600	12	39/03;23/04
43368	5	43,48/03;14,17/04							51620	10	39/03
43369	6	43,48,50/03;14,17,24,26/04							51621	9	20,24/04
43370	7	47/03;12,14,23,24/04							51641	4	32,34,40/03
43371	13	38,43/03;10,12,14,23,24/04							52031	1	48,49/03;7,10,13,20,25,27,30,40,41,42/04
43372	4	10,12,14,41/04							52039	4	45/03;36/04
43373	8	40,42,49,50,52/03;8,9,14,23,24,25,26/04							52040	17	34/03;13,20,27,28,30/04
43374	1	43/03;10,14,17/04							52043	21	48,50,52/03;1,26,36/04
43375	7	42,44,50,51/03;5,11,20,21,22,23,37/04							52046	21	12,13,19/04
43376	5	14/04							52047	11	34/03;20,28/04
43377	2	47/03;14/04							52048	3	30/04
43378	2	38/03;14/04							52051	1	16,27/04
43379	1	24/04							52052	1	16/04
43382	2	48/03;14/04							52054	1	39/04
43384	1	32,44/03;2,5,9,11,21,22,23,29,30,42/04							52055	1	39/04
43385	1	42,46,49,51/03;8,11,12,19,21,22,33,42/04							52060	16	29,34/03;6,27,31,34,35,39,40,42/04
43386	2	47/03;24/04							52061	2	29,34/03;6,30,41/04
									52062	7	29,34/03;1,6,7,31/04
									52066	3	39/04
									52080	14	48,49/03;5,7,20,21,25,30,38,41/04
									52082	3	21,29,30,38/04
									52083	2	46,48/03;39/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
52084	2	41/04	54060	5	6,12/04	55085	9	31,33,36,39,46,50/03;9,	57460	4	29/03
52085	3	46/03;34,42/04	54061	11	42/03			17,20,30,42/04	57486	6	28/04
52086	2	36/03;5,7,41/04	54082	12	10/04	55100	8	29,33,34,39,43,44/03;6,	57487	6	22/04
52087	1	6/04	54083	4	10/04			21,36,39,40,42/04	57488	6	22,27/04
52088	3	10*,20,21/04	54085	2	42/03	55101	4	32,34,38,39,42,43,46,	61000	20	31/03;20,27/04
52092	1	48/03;39/04	54090	3	6,12,27,42/04			50/03;2,4,6,9,11,13,17,	61040	6	31/03;20/04
52120	12	6,19,26,32,33,42/04	54095	3	30,42/03			28,40/04	61050	4	31/03;27/04
52121	8	42/04	54105	3	50/03;10,36/04	55102	3	32,36,43,46,50,52/03;2,6,	61051	7	27/04
52122	14	13,14,22/04	54115	3	30/03;10,36,P44/04			13,17,40,42/04	61060	5	39/03
52124	1	6/04	54120	5	10,36,P44/04	55103	2	31,35,36,38,42,43,45,46,	61070	4	39/03
52125	1	14,22,33,39/04	54125	3	30,47/03;P44/04			50,52/03;2,6,13,15,28,30,	61071	9	39/03
52140	6	29,46,49,52/03;5,7,12,25,	54131	2	50/03;12,35,36/04			40,42,44/04	61091	5	35/03
		42/04	54140	7	30,47,51/03;P44/04	55104	2	31,33,36,45,46,52/03;2,6,	61092	13	35,39/03
52141	5	41,44,46,49/03;25,39/04	54151	1	42/03;24,41/04			13,28,40,42,44/04	61100	4	37/04
52142	3	14*,20/04	54161	12	27,44/04	55105	7	29,33,36,42,43,48,52/03;	61111	12	34/03
52143	8	7/04	54165	2	38/03			3,9,37,40/04	61112	10	35/03
52144	5	47/03;7,29,42/04	54168	1	38/03;P44/04	55110	2	29,43,44,51/03;3,14,15,	61130	3	9/04
52160	7	50,52/03;14,37,43/04	54169	3	38/03;14,P44/04			21,25,28,31,39/04	61140	5	9/04
52161	14	52/03	54180	6	30,42,47,51/03;P44/04	55120	2	33,34,42/03;2,17,21,28,	61141	6	35/03;9,14,37/04
52164	2	14,43/04	54181	7	48/03*			36,40/04	61142	6	35,39/03;9,14,37/04
52170	3	42,52/03;10,33/04	54195	2	51/03	55127	2	32,36,51/03;40,44/04	61180	4	38/03
52172	2	52/03;33/04	54226	2	47/03	55128	2	32,34,43,50/03;2,6,9,11,	61190	4	9/04
52180	14	50/03;6,33,34,36/04	54227	2	47/03;12/04			13,20,30,40,42/04	61204	5	22/04
52183	9	52/03;34/04	54266	2	27/04	55129	7	34,35,42,45,46/03;6,9,11,	61211	7	38/04
52184	3	34,38/04	54284	1	34/03			20,28,30/04	61212	2	38/04
52186	3	33/04	54337	3	21,31/04	55130	2	32,33,34,39,42,46,50/03;	61541	8	41/03
52200	8	34/04	54339	8	31,32/04			2,6,9,11,17,28,40,42/04	61542	6	41,46/03
52202	7	34/04	54343	10	6,31,32,33,34/04	55131	1	38,39/03;6,9,15,17,44/04	61610	7	34/03
52220	7	34/04	54344	6	34/04	55133	3	34,36,38,46/03;6/04	61611	11	34/03
52221	7	34/04	54346	9	20*,31,32,33,34,35,36/04	55138	4	52/03;6,9,15/04	61612	4	34/03
52223	4	43/04	54350	4	37/03	55139	5	6,15/04	62001	5	50/03;9/04
52240	9	20,33,34,40/04	54352	3	33,37/03;6/04	55140	2	29,33,34,35,36,42,45,46,	62024	13	29/03;39/04
52243	11	20,34,40,42/04	54359	2	38/03;21/04			47,52/03;2,9,11,17,20,28,	62028	15	13,39,44/04
52262	6	4,40/04	54360	12	34,50/03;6/04			40/04	62032	16	41/03;8,36,43,P44/04
52263	5	4,35,40/04	54361	10	38/03;21/04	55150	2	36,48/03;3,14,31,37/04	62033	3	N41/03;N8,N36,N43, NP44/04
52282	10	35/04	54363	3	50/03;2,6/04	55160	2	29,41,42/03;3,37,41/04	62070	4	26/04
53011	2	7,10,35,36/04	54368	4	50/03	55161	1	41,42/03;23/04	62090	7	11/04
53031	1	31,49/03;6,7,39/04	54369	4	34,50/03;2/04	55170	2	46/03;6,9,13,15,24/04	62092	7	27/04
53058	2	37/03	54380	6	34/03;17,24/04	55180	2	29,33,36,39,42,45,46,47,	62095	3	32/03
53060	14	31,36,39,44/03;6,11,22,	54382	9	40/03;15,28,38,41/04			52/03;2,9,11,20,40,42,	62097	6	38/03*
		26,32,39,42/04	54387	7	30,39,42/03;38/04			44/04	62098	7	33/03*
53061	10	38,44/03;15,17,21,43/04	54389	8	24/04	55190	2	39,40,51,52/03;2,3,6,9,	62100	6	11/04
53062	13	15,17,19,21,22,26,33/04	54400	8	30,36,37/03;13,14,19,24,			15,30,40,44/04	62110	9	9/04
53063	9	33*,37/03;21/04			25,30,41/04	55200	2	32,33,36,39,42,45,46,47,	62120	6	26/04
53064	6	39/03;11/04	54403	4	30,36/03;19,30/04			50,52/03;4,11,14,17,20,	62142	10	32/03
53065	2	39/03;11/04	54407	4	30,37,49/03;13,14,24,25,			30,40,42/04	62143	3	32/03
53066	2	39/03;11/04			30,41/04	56011	1	50,52/03;10/04	62177	3	12/04
53081	9	40*,42/04	54408	4	25,41/04	56031	1	29,41/04	62188	4	37/04*
53082	14	37/04*	54409	2	13,34/04	56060	9	38/03;18,28,40,44/04	62191	15	27/04
53083	8	41/03;21,30/04	54413	3	37/03	56064	6	8,18,26,44/04	62193	17	39/04
53084	6	30/04	54416	5	33,37/03	56065	3	38/03;8,18,26,28,40,	62194	8	24,39/04
53086	8	11,31/04	54417	1	30/03*			44/04	62220	9	26/04
53088	7	43/04	54418	4	30,37,49/03;24,25,30,	56067	3	38/03;8,10,26,28,40/04	62225	3	26/04
53089	4	41/03;9/04			41/04	56081	19	5,39/04	62230	2	50/03;9/04
53090	1	50/03	54421	6	36,41,43,46,49/03;20,32,	56082	16	29/03;39/04	62241	10	5/04
53093	2	41/03;8,31/04			33,39/04	56083	2	39/04	62250	4	32/03
53100	16	31/03;11,13,31/04	54422	4	46/03	56100	14	33/03*	62270	4	29,32/03
53101	7	43/04	54430	1	36,43/03;2,14,20,33/04	56101	6	5,40/04	62271	5	13/04
53106	6	33/03;36/04	54440	4	38/03;13,34,37/04	56102	23	5,40/04	62290	3	11/04
53110	1	36/04	54441	6	22,30/04	56103	6	33/03;5,40/04	62310	2	29/03
53111	3	11/04	54462	5	51/03;4,40/04	56104	3	5,39/04	62330	2	39/04
53120	14	31,35/03;11,13,36,39/04	54463	5	1,27,37/04	56105	1	38/03*	62340	3	13/04
53123	3	29/03	54464	5	15/04	56120	12	27/04	62350	6	29/03;39/04
53130	1	36/04	54480	8	7,13,22,29,30,35/04	57000	10	43/03	62360	5	37,40,44,P44/04
53133	4	33*,45/03	54481	8	33,43/03;7,13,22,40/04	57006	5	28/04	62361	2	N37,N40,N44,NP44/04
53147	3	35/03;36,39/04	55001	4	29,33,35,36,39,43,44,	57014	11	37/04	62366	4	33/03*;9/04
53149	2	11/04			52/03;6,21,36,37,39,	57035	10	4,23/04	62391	5	33/03*
53160	14	35,39/04			42/04	57060	7	43/03;24/04	62392	7	P44/04
53161	8	35/04	55040	4	35,36,39,41,42,50,52/03;	57080	8	24/04	62393	7	8/04
53164	9	35/04			6,9,13,17,19,22,25,32/04	57101	18	28/04	62394	10	8/04
53166	1	6/04	55041	7	43,49,50/03;2,5,13,15/04	57103	2	24/04	62400	17	31/03;13/04
53180	10	29/03;11,35,44/04	55042	1	35,37/03;9,19,32/04	57140	10	24,28/04	62401	9	41/03;8/04
53200	6	30/03;4,11,12/04	55043	2	37,52/03	57141	14	28,04	62405	8	43/03
53201	6	38/03	55044	5	42,52/03;1,2,25/04	57142	6	28,44/04	62406	2	9,13/04
53203	11	44/04	55045	2	39,52/03;3,9/04	57160	10	28/04	62408	7	8/04
53204	10	1,44/04	55046	4	35,36,41,46,50/03;6,8,9,	57161	4	23/04	62411	1	10,13,17/04
53205	3	28/04			17,18,19,23,25/04	57165	1	28/04	62412	12	52/03
53206	6	34/04	55047	8	41,49,51/03;6,7,15,18,23,	57170	1	52/03;20,28/04	62413	12	50,52/03;10/04
53220	6	4,10,12,36/04			25/04	57200	6	52/03;37/04	62417	1	10,13/04
53226	3	35/03;12/04	55048	12	1,8,13,15,23,25/04	57201	5	52/03;26/04	62420	5	52/03;10/04
53262	8	1/04*	55060	7	17,21,36/04	57240	8	28/04	62432	17	50/03*;11/04
53283	4	40/03;6/04	55062	5	33/03;21/04	57241	12	31/03	62433	13	40/04*
53287	6	36/04	55063	1	44/03	57242	8	41/03	62434	9	43,50/03;1,4,5,11,12,15,
53301	4	21/04	55064	3	8,25,39/04	57245	1	41/03			23,31,40/04
53306	2	31,43/03	55082	9	32,44,46,50/03;20/04	57260	3	28,37/04			
53311	3	37/03	55084	7	39/03;11,28,42,44/04	57381	12	4,27,37/04			
54040	3	11/04				57420	3	23/04			

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NM 29/03 THROUGH NM 44/04**

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62437	10	30*,32,35,37/03;5,15,40/04	71040	5	47/03	74004	2	30/03;12/04	74550	4	32/03
62440	8	41/03;8/04	71045	2	36/04	74005	2	30,38/03;15/04	74555	3	12/04
62446	3	43/03	71050	2	36/04	74007	1	46/03	74560	10	31,32/03;15/04
62448	2	P44/04	71066	2	31/04*	74008	6	15,21/04	74581	9	31,39,48/03
62449	4	8/04	71081	4	32/04*	74009	10	36,44/03;21/04	74582	9	31,39,48/03
62451	7	5,9,P44/04	71091	4	36/04	74012	10	36,37/03;8,22/04	74583	15	38,48/03;12/04
62453	4	50,52/03;10/04	71140	6	36/04	74015	10	31,36/03;8,13,22/04	74584	5	36,38,39,48/03
62455	7	40,44/04	71210	18	36/04	74016	3	42,48/03	74591	7	38/03;12/04
62459	2	41/03	71211	4	36/04	74017	4	31,38/03;13/04	74595	2	42/03
62460	4	9,36/04	71220	3	35/04	74020	4	31,38/03;13/04	75000	6	31/03
62480	2	32,41/03;8,9,36,43,P44/04	71230	11	39/04	74021	7	31,35/03;13/04	75001	3	31,32/03
62490	2	32,50/03;9,12,15,18,23,31,35,36,40,43,P44/04	71241	10	15,25,39/04	74024	7	36,49/03	75025	9	36,38,39/03;8,42/04
62498	4	31/03;13/04	71244	3	11/04	74027	9	39/03	75035	18	8/04
62499	4	31/03	71247	18	11,12,15/04	74030	6	42/03	75051	6	5,11,36/04
62510	3	8,9,36,P44/04	71248	2	N10,N14,N34/04	74051	2	42/03	75052	2	10,11,36/04
62512	3	N8,N9,N36,NP44/04	71249	2	14/04	74151	9	29,40,41/03;19,37/04	75130	16	37/03;22,37,40/04
62515	2	26/04	71251	11	50/03;10,12,14,34/04	74152	11	30,34/03;1,13,19/04	75131	7	39/03
62520	6	32,41/03;8,9,36/04	71253	10	12,14/04	74153	2	41/03;1,19,37/04	75132	11	29,32,35/03;9,21/04
62521	4	N32,N41/03;N8,N9,N36/04	71255	6	10,11,12/04	74171	4	40/03	75134	3	29,37,45/03;9,22,37/04
62530	6	32,52/03;9,17,35,43/04	71257	2	10,11,12,14,15,25,26/04	74172	5	40/03	75142	5	35/03;9/04
62531	4	N32,N52/03;N9,N17,N43/04	71258	2	10,12,14,15,25/04	74181	8	34/03	75143	4	10/04
62540	6	30,35,43,50/03;9,12,15,18,23,26,31,35,40,P44/04	71259	3	44/03;10,11,14,15,24,34,38/04	74182	12	34,38,39,40,41,42,49/03;11,17/04	75144	3	30,38/03;10/04
62541	3	N30,N35,N43,N50/03;N9,N12,N15,N18,N23,N26,N31,N35,N40,NP44/04	71262	7	33/03	74183	11	38/03	75160	6	32/03
62550	3	32,52/03;5,9,10,17,36/04	71265	3	10,11,14,15,25,34,36,38/04	74184	10	34/03;8,11/04	75170	12	38/03
62560	4	5,8,9,17,27,P44/04	71273	2	51/03;25/04	74186	7	30,36/03	75171	22	35,38,40,44/03;10,21/04
62570	4	30,35,37,43,50/03;1,5,9,11,12,15,18,23,26,31,35,40,44/04	71275	3	33/03	74190	7	31,34,39/03	75172	5	49/03
62572	1	50/03*;11/04	71281	7	34/03	74191	2	29/03;5/04	75173	9	35,38,40/03
62580	3	35/03;9,26,P44/04	71305	2	31/04	74192	3	40/03	75176	9	32,40,44/03;21/04
62584	2	7/04	71320	1	33,38/03	74200	8	32,40/03	75177	7	38/03
62590	2	30,37,43,50/03;1,11,12,15,18,23,26,31,35,40/04	71330	13	33,38/03	74201	9	32/03;11/04	75180	2	38/03
62591	3	N30,N37,N43,N50/03;N1,N11,N12,N15,N18,N23,N26,N31,N35,N40/04	71331	11	33,38/03	74205	5	32,40,46/03;11/04	75185	2	36/03
63000	13	40/03;23,40/04	71335	2	33/03	74206	3	32*,36/04	75190	2	36/03;22/04
63010	14	44/03	71335	2	38/03	74210	7	37,46/03	75191	6	30,34,36,38/03
63040	2	52/03	71340	11	33/03	74220	8	30,37,46,50/03;11,15,25/04	75193	6	35/03
63050	2	45/03;40/04	71402	1	33/03	74221	2	30,38/03	75207	2	33,37,43,49/03
63053	4	39,45/03;34,39,40/04	71440	2	11,14/04	74222	2	50/03;21,24/04	75208	2	30,33/03;22/04
63054	3	34,39/04	71460	1	36/04	74229	7	36,46,50/03;12,15,25/04	75212	2	33,38/03
63055	2	39/03;39/04	72000	8	25/04	74230	7	36,46,50/03;12,15,25/04	75215	12	39/03;8,42/04
63060	7	45/03;40/04	72007	10	50/03;9/04	74231	7	36,50/03;10,24,25/04	75222	8	1,37/04
63062	7	37,44,50/03	72014	10	9/04	74232	9	8/04	75240	4	39/03;8/04
63065	6	44/03	72021	8	50/03;9/04	74239	9	8/04	75241	6	35/03
63070	3	23/04	72025	8	9/04	74240	8	41,46/03;13,25/04	75251	5	37,40/03;13,19/04
63090	8	30,40/03	72045	2	9/04	74251	8	15/04	75261	6	31,38/03;1,13,19/04
63091	4	5/04	72070	4	25/04	74252	9	10/04	75262	6	1/04
63100	2	30/03	72085	3	50/03;9/04	74253	6	30/03;10,13,15/04	75263	9	31/03;1/04
63101	15	30,40/03;16/04	72093	2	25/04	74261	9	30,39/03;21/04	75264	17	32/03;1/04
63102	19	30,40/03;16/04	72103	2	25/04	74265	2	30/03;10,13,15,35/04	75265	2	31,32,38,40/03
63103	17	16/04	72105	2	50/03;9/04	74270	3	38/03;10,15,21,35,38,42/04	76015	1	45,52/03;3,P44/04
63111	9	16/04	72107	2	32/04	74271	9	29,30,38/03;10,21,35,38,42/04	76030	9	52/03;3,P44/04
63172	4	42/04	72110	9	9/04	74272	7	29,30/03;9,15,21,35,38,42/04	76040	8	47/03;P44/04
63200	5	30/03;10/04	72120	3	9/04	74273	5	10,15,35/04	76041	2	P44/04
63201	9	30/03	72173	2	9/04	74281	7	30,52/03;17/04	76050	8	52/03;P44/04
63205	2	30/03;10/04	72181	2	50/03	74282	7	30,52/03;17/04	76054	5	52/03
63210	3	30/03	72203	2	9/04	74283	2	52/03	76056	3	37/03;P44/04
63231	8	44/04	72204	1	26/04	74285	2	38,50/03	76060	7	52/03
63233	15	44/04	72231	8	35/04	74286	2	29,35/03	76061	3	52/03
63250	6	5,16/04	73000	9	10,35,36/04	74287	2	47/03	76070	9	45,47,51/03;3,37/04
63252	1	33/03	73002	4	10/04	74288	2	47/03	76071	9	42/04
63260	5	5/04	73004	4	8,10,26,27/04	74289	5	10/04	76080	8	47/03
63271	8	9/04	73006	2	10/04	74290	11	30,38,50/03;15,18,44/04	76081	7	37/03;37/04
63310	5	9/04	73008	8	36/04	74292	8	52/03;1,44/04	76083	3	37/03
63320	8	37,49/03;9,16/04	73010	3	10/04	74293	7	18,44/04	76120	6	45/03
63321	6	37,49/03;16/04	73012	6	36/04	74294	3	44/04	76121	8	47/03
63322	2	49/03	73014	10	10,35,36/04	74295	3	29,35/03;1,44/04	76141	8	37,45,52/03
63324	1	9/04	73016	4	10/04	74296	4	52/03;15,37/04	76142	1	37,45/03
63331	9	30/04	73018	3	10/04	74320	3	41,43/03	76146	1	45/03
71009	3	36/04	73020	9	10,21/04	74350	4	44/03;21/04	76160	4	42/04
71018	10	25/04	73022	4	10,35/04	74376	5	44/03	76161	10	47/03;29,42/04
71027	9	33/03;14,34,36,42/04	73130	8	31/04	74392	7	49/03	76170	7	52/03;42/04
71033	31	36/04	73141	5	10/04	74393	9	39/03;13,36,38/04	76180	1	3/04
71036	8	25/04	73191	3	10/04	74394	2	39/03;13,36,38/04	81001	1	36/04
			73470	4	35/04	74420	3	30/03	81004	3	37*,43/03;9,10,17,21/04
			73552	4	38/03;18/04	74440	3	22/04	81025	3	N38/04*
			73580	4	43/03	74450	3	37/03	81048	9	52/03*;8,9,17,21/04
			73581	4	43/03;40/04	74455	3	38,49/03	81054	14	52/03*;7/04
			73590	6	36,43/03	74460	4	37/03	81060	2	43/03;8,9,11,17,21/04
			73601	3	43/03;12/04	74465	2	36,38/03	81063	5	47/03
			73620	2	12/04	74475	2	42,48/03	81067	6	46/03*;12,24/04
			73631	4	40/03	74493	3	37/04	81071	6	24/04
			73640	5	40/03;10/04	74510	2	35,38/03;13,40/04	81076	10	41*,44/03;12/04
			73650	5	40/03	74515	4	31,35/03;40/04	81092	3	32/03
			73653	1	40/03	74517	3	31/03;40/04	81711	6	31/03;1/04
			74000	6	41/03;37/04	74530	2	36,49/03	81715	4	31/03;1/04
			74002	2	31/03	74535	2	36,38,49/03	82010	6	39/03;22/04
			74003	5	31,34/03	74545	3	32/03	82015	13	39/03;22/04
									82020	7	39/03;22/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
82095	2	12/04	93730	3	31,41,42,43,46,47,48,	95147	13	29,31,32,35,36/03;20,	96942	9	9/04
82105	2	12/04			49/03;13,14,16,17,23/04			21/04	96943	15	33,42/03;19,23,26,36/04
82192	6	43/03	93733	13	40,41,44,45,47,48,52/03;	95149	9	30,32,35,52/03;16,20,34,	96944	6	17/04
82200	2	41/03;12/04			1,4,8,14,16,23,25/04			39/04	96945	3	42/03;16,19,34,36/04
82201	2	12/04	93734	12	51/03*;4,23/04	95151	17	29,30,37/03;16,19,20,	96947	15	23,25,27,39/04
82215	2	41/03	93736	24	11*;16,22,31/04			34/04	96948	8	30,39/04
82244	5	39/03	94004	6	42/03;6,15,24,44/04	95152	5	30,31,32,35/03;20,34/04	96960	3	47/03;16,32,34,36/04
82253	7	39/03;15/04	94016	2	33,47/03;26,30,34,44/04	95153	2	32/03;19,44/04	96962	4	33/03;23,26,39/04
82280		N39/03;N22/04	94028	7	31,33,40,51,52/03;1,4,16,	95160	13	33,36,40/03;1,14,16,17,	97000	3	40/03
82304	5	36/04			17,19,20,21,28,30,38,39,			19,20,24,28,38/04	97005	9	47/03;17,27,32/04
82571	6	14/04	94033	5	29,42,44/03;2,12,16,19,	95161	16	30,37/03;20/04	97015	10	16,17,31,32,41/04
83025	1	45/03			23,38,40/04	95162	2	30,35/03;20,34,37/04	97021	7	40/03;16,17,19,20,21,25,
83034	1	23/04				95169	2	34/04			28,31,32,34,41/04
83039	11	23/04	94040	13	31,43,51/03;13,18,44/04	95171	1	37/03;35/04	97026	10	23,30,34/04
83425	6	3/04	94042	9	43,45/03;4,8,13,16/04	95172	1	32/03;35/04	97029	3	40/03;16,32,34,36,40,
83473	7	37/03	94060	10	31,42/03;11,13,18,44/04	95176	2	30,35/03			41/04
83484	10	42/03;24/04	94061	5	41,42,52/03;11,13,18/04	95180	11	34,35,37/04	97040	5	23,24/04
83500	1	23/04	94067	10	44/04	95185	2	35/03;37/04	97041	9	39/04
83567	3	43/04	94080	7	32,51/03;15,17,23,24,	95230	3	29/04	97042	7	27/04
83570	2	34/04			44/04	95243	4	15/04	97060	8	27/04
83572	1	34/04	94082	8	51/03;15,23/04	95250	4	36/03;19,26,31,36,38,42,	97061	4	21/04*
83574	2	35/04	94083	12	15,24/04			44/04	97062	12	34,35/03;10,27,32/04
83580	2	45/03;23,34/04	94120	6	15,23,43/04	95255	2	31/04	97063	2	48/03*
83590	1	45/03	94122	9	35/03	95261	7	36,47/03;14,21,26,31,36,	97064	2	33,45/03;44/04
83637	4	37,38/04	94123	9	23,24,37/04			41/04	97065	2	48/03*
91005	6	42/03;36/04	94124	13	23,24,37/04	95262	13	36/03	97080	6	21*,24/04
91008	1	44/04	94160	7	31,41,42/03;6,13,16,17,	95264	8	41/04	97082	5	34/03;10,39/04
91010	6	44/04			44/04	95267	6	15/04*	97083	3	29,34,35/03;27,36/04
91020	5	46/03;37/04	94164	2	41,42,43/03;17/04	95268	16	30,33,39/04	97100	4	49/03;16,17,24,31,32/04
91025	8	46/03	94165	4	43/03;13,18/04	95270	5	21/04*	97101	2	50/03*
91030	3	42/03	94180	9	44/03;6,16,17,18/04	95271	4	36/03;30,33,41/04	97104	4	41/03
91175	2	6/04	94187	3	36,45,46/03;12,18/04	95272	3	30,33,41/04	97105	3	41/03;17,24/04
91220	3	30/04	94203	10	41,42/03	95273	2	12,36,41/04	97108	4	50/03*
91280	7	43,46/03;37/04	94206	3	44/03;18/04	95274	4	15*,25,36,41/04	97120	6	40,44,45,49/03;31,32,
91289	19	43/03	94216	6	42,44,47/03;1,5/04	95276	4	1*,26/04			41/04
91300	3	46/03	94217	4	2,5/04	95280	10	21*,34/04	97140	17	40,44,45,46,49,52/03;31,
91331	3	42/03	94218	3	2,5,17/04	95281	15	36,45/03			32,34,36,41/04
91340	3	42/03	94219	1	46/03;6/04	95282	7	12,19,40/04	97141	5	6/04
92006	5	10,36,42,43/04	94220	4	33,42,44,47/03;5,18/04	95285	3	12,34/04	97143	12	21*,33,38/04
92020	2	36/04	94260	5	31/03	95300	6	21*,22,26,30,34,42/04	97144	14	39,44,49/03;6,33/04
92025	3	42/03	94280	5	32/03	95320	15	33,40/03;10,13,14,26,28,	97145	1	40,45,47/03;31,32,36,
92030	4	42/03;30,36/04	94281	6	42/03			38/04			41/04
92033	5	36/04	94282	9	7,13/04	95341	8	40,44/03;10,13,14,31,	97146	10	39/03;39/04
92150	3	43/03	94283	7	32/03;7,13,14/04			38/04	97148	9	40/04
92160	3	43/03	94290	2	31/03;7/04	95342	16	10,13,39/04	97149	20	12,33,42,44/04
92170	3	43/03	94322	14	47/03;6/04	96000	5	17,20,32/04	97150	13	42,49/03
92350	4	30,36/04	94360	6	2,8,12,16,17,30/04	96004	14	16,25,32/04	97151	16	49/03;38/04
92356	2	30,36/04	94361	13	2,8/04	96012	16	32,34/04	97152	9	1*,6/04
92410	3	42/03	94363	4	29/03;15,17,21,30/04	96016	7	51/03	97153	8	52/03*;30/04
92450	3	42/03	94380	4	N18/04	96028	5	51/03;20/04	97155	14	10,12,20/04
92500	1	36/04	94420	3	42,44,47/03;2,12,16/04	96032	3	34,51/03;20/04	97157	2	40/03*;1,38/04
93006	2	43,44,48/03;44/04	94421	10	12/04	96036	2	36/03;15/04	97158	5	50/03*
93010	6	32,34/04	94423	12	12/04	96039	7	44/03;8,15/04	97159	6	44,46,52/03;34,36/04
93025	5	45/03	94440	2	23/04	96041	11	39,44,45/03;8,11,20/04	97163	14	36/03;11/04
93030	6	42/04	95016	8	21,24,25,26,28,29,36/04	96042	11	39,40,44,45/03;8,11,20,	97164	1	52/03
93036	10	43/04	95040	8	27/04			26/04	97165	1	52/03
93046	1	42/04	95041	7	50/03	96043	8	11/04	97166	1	46/03
93047	2	42/04	95043	2	27/04	96044	10	38,51/03;2,7,20/04	97167	2	23/04
93048	1	33/03;42/04	95060	13	29,31,33/03;16,17,19,21,	96080	6	25/04	97180	6	44/03;19,32,34,39/04
93110	2	34/04			34,38,40/04	96100	2	25/04	97181	20	35,44,46/03;1,7,19,39/04
93117	2	43/04	95065	5	31/03;34/04	96181	5	25/04	97182	13	35,46/03;1,9,21,26,28,36,
93160	4	47/03;34/04	95066	11	31,32,33,37/03;6,17,21,	96200	5	34,36/04			39/04
93180	7	47/03			34,38,40/04	96320	4	51/03	97183	9	43,44/03
93220	6	47/03	95067	13	37/03;17,20/04	96340	4	45,51/03	97184	15	39,44/03;41,42/04
93240	11	47/03;32,34/04	95068	1	29,37/03;34/04	96381	2	50/03	97185	2	46/03
93241	9	32/04	95080	13	30,31,32,48,52/03;16,17,	96440	3	11/04	97187	3	2,16/04
93245	6	32,40/04			19,20,21,34,38/04	96441	1	50/03;20/04	97188	3	50/03*;7,9/04
93247	4	32,39/04	95082	9	30,52/03;14,19,21/04	96480	3	51/03;11/04	97189	2	39,43/03;41,42/04
93248	1	39/04*	95085	4	33/03	96500	6	39/03;8,25/04	97190	2	19,31/04
93260	8	47/03;32/04	95086	5	31,33/03	96520	7	8,20/04	97200	9	29/03;17,23,27,31,40,
93261	5	47/03;32/04	95087	3	30,31/03;1/04	96540	5	11/04			44/04
93620	4	26/04	95100	12	29,31,37/03;4,17,20,21,	96560	5	51/03	97202	15	30,33/04
93626	9	26/04			35,38,44/04	96620	3	38/03;11/04	97204	9	33,43,45,47/03;13,25/04
93650	2	49/03;2/04	95101	8	31/03;17,20/04	96621	5	38/03;11,44/04	97206	3	50/03*;13/04
93652	2	49/03;2/04	95102	8	1,35/04	96640	5	15/04	97218	3	33/03
93680	3	18/04	95103	8	31/03;34/04	96645	1	15/04	97219	4	47/03;13,27/04
93688	3	N18/04	95120	7	44/04	96660	4	36/03	97220	3	29,33,46,49/03;6,18/04
93690	2	45/03	95138	8	30,35,36/03;21/04	96760	4	17/04	97221	20	29,33,46/03;6,7,11,13,17,
93698	3	6/04	95140	15	29,33,35,37,51,52/03;4,	96762	4	50/03*;16/04			18,24,27,33/04
93710	3	43,52/03			16,17,19,20,21,24,34,35,	96763	7	32,37,45/03;6,16,21,26,	97222	12	29/03;11,17,24,27/04
93720	10	42,43,44,48,49/03;43/04			39/04			36/04	97223	3	46/03;21,42/04
93721	5	40,41,43,44,45,46,48,49,	95141	8	29,37,51/03;4,20/04	96764	3	34/03*	97224	6	45/03;11/04
		50,52/03;1,4,7,8,11,14,	95142	9	29/03	96883	9	11/04	97225	32	21*,27/04
		16,22/04	95143	11	30,36/03;21,34/04	96904	3	34/03*;44/04	97226	7	41/03;6,22/04
93725	6	49/03	95144	9	35,37/03;17/04	96937	2	36/04	97227	11	30,34/03
93726	4	45,50/03	95146	14	31,32,35,37,48/03;20/04	96938	4	34,36/04	97228	15	29,35,49,52/03;7,34/04
						96941	8	47/03;9,16,32,36/04	97229	12	33/03;18,30,39/04

## SECTION I

NM 44/04

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 44/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

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## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
REGION 1							
12AHA12225 (7642014010308)	Chesapeake Bay-Wolf Trap to Smith Point (LORAN-C)	80,000	<u>55</u>	<u>8/04</u>	NOS	1-94	44/04
13AHA13215 (7642014010416)	Block Island Sound-Point Judith to Montauk Point	40,000	<u>18</u>	<u>8/04</u>	NOS	1-95	44/04
13XHA13279 (7642014010461)	Ipswich Bay to Gloucester Harbor	20,000	<u>31</u>	<u>8/04</u>	NOS	1-95	44/04
	Inset: Rockport Harbor (Inset not shown on index)	5,000					
13AHA13292 (7642014010425)	Portland Harbor and Vicinity	20,000	<u>37</u>	<u>8/04</u>	NOS	1-95	44/04
13BCO13325 (7642014010434)	Quoddy Narrows to Petit Manan Island (LORAN-C)	80,000	<u>15</u>	<u>8/04</u>	NOS	1-95	44/04
16ACO16011 (7642014011229)	Alaska Peninsula and Aleutian Islands to Seguam Pass	1,023,188	<u>36</u>	<u>8/04</u>	NOS	1-97	44/04
16ACO16440 (7642014011241)	Rat Islands-Semisopochnoi Island to Buldir Island (LORAN-C)	300,000	<u>14</u>	<u>7/04</u>	NOS	1-97	44/04
16XHA16605 (7642014011374)	Shuyak Strait and Bluefox Bay	20,000	<u>9</u>	<u>8/04</u>	NOS	1-97	44/04
17XHA17376 (7642014011449)	Tebenkof Bay and Port Malmesbury	40,000	<u>7</u>	<u>8/04</u>	NOS	1-98	44/04
17BHA17426 (7642014011410)	<u>Kasaan Bay-Prince of Wales Island</u>	40,000	<u>14</u>	<u>8/04</u>	NOS	1-74,75, 98	44/04
	<u>Insets: Hollis Anchorage (Eastern Part)</u>	10,000					
	<u>Lyman Anchorage</u>	10,000					

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service  
DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
UKHO United Kingdom Hydrographic Office  
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For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

SECTION II  
NAVIGATION PUBLICATIONS

NM 44/04

SAILING DIRECTIONS CORRECTIONS

**PUB 126            6 Ed 2002            LAST NM 40/04**

Page 75—Lines 39 to 51/L; read:

**Aspect.**—The mountains W of Levuka are rugged, steep, and densely wooded, rising to a height of 375m within 0.7 mile of the coast. There are two prominent war memorials; one, 10m high, stands on shore 0.15 mile NW of Kings Wharf, while the other, of stone, 11m high, is situated 0.4 mile farther N. A church, which has a square clock tower, is also prominent. An oil tank, 0.4 mile SSE of the S war memorial, is conspicuous.

**Pilotage.**—Pilotage is compulsory. Vessels send their ETA at least 48 hours in advance to the Port Master, Suva. The pilot boards about 1 miles ENE of the Na Tumburi Entrance.

Tankers are only berthed between sunrise and sunset; there are no restrictions on unberthing.

(Fr NM 19/04) 44/04

**PUB 195            7 Ed 2002            LAST NM 40/04**

Page 21—Lines 36 to 41/R; read:

a. West limit—A line extending N to the coast from position 59°55.5'N, 24°43.5'E.

b. South limit—A line extending from position 59°55.5'N, 24°43.5'E through Helsinki Light (59°57'N., 24°56'E.) to position 59°57.5'N, 25°14.0'E.

c. East limit—A line extending N to the coast from position 59°57.5'N, 25°14.0'E.

(BA NP 286) 44/04

COAST PILOT CORRECTIONS

**COAST PILOT 4            36 Ed 2004            Change No. 1  
LAST NM 43/04**

Page 1—Paragraph 2; read:

**Amendments to this publication are issued through NOS website <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>, U.S. Coast Guard Local Notices to Mariners website <http://www.navcen.uscg.gov/lnm/default.htm>, and National Geospatial-Intelligence Agency Notices to Mariners website <http://pollux.nss.nga.mil/untm/>.**

(NOS/04) 44/04

Page 34—Paragraph 575, lines 1 to 3; read:

**National Oceanic and Atmospheric Administration:** The U.S. Department of Commerce National Oceanic and Atmospheric Administration (NOAA) ...

(CL 1121/04) 44/04

Page 114—Paragraph 1613, line 4; read:

destination.

(9) Ammonium nitrate and ammonium nitrate based fertilizers, in bulk, listed as a Division 5.1 material in 49 CFR 172.101.

(10) Propylene oxide, alone or mixed with ethylene oxide,

in bulk.

(FR 8/18/04) 44/04

Page 116—Paragraphs 1624 to 1628; read:

(a) [Suspended]  
(FR 8/18/04) 44/04

Page 117—Paragraph 1631; read:

(d) [Suspended]

(e) *Submission to the National Vessel Movement Center (NVMC).* Except as provided in paragraphs (b) and (c) of this section, vessels must submit NOA information required by §160.206 (entries 1-9 to Table 160.206) to the NVMC, United States Coast Guard, 408 Coast Guard Drive, Kearneysville, WV 25430, By:

(1) Electronic submission via the electronic NOA (e-NOA) available on the NVMC web site at <http://www.nvmc.uscg.gov>.

(2) Electronic submission via web service of formatted XML (eXtensible Markup Language) documents. E-mail [sans@nvmc.uscg.gov](mailto:sans@nvmc.uscg.gov) to ask for the XML schema details;

(3) E-mail at [sans@nvmc.uscg.gov](mailto:sans@nvmc.uscg.gov). Workbook available at <http://www.nvmc.uscg.gov>;

(4) Fax at 1-800-547-8724 or 304-264-2684. Workbook available at <http://www.nvmc.uscg.gov>; or,

(5) Telephone at 1-800-708-9823 or 304-264-2502.  
(FR 8/18/04) 44/04

Page 510—Paragraph 56; read:

**Notices to Mariners:** Electronic versions of the Local Notices to Mariners are posted weekly on the U.S. Coast Guard Navigation Center's website at: <http://www.navcen.uscg.gov/lnm/default.htm>. The National Geospatial-Intelligence Agency Notices to Mariners are available at: <http://pollux.nss.nga.mil/untm/>.

(NOS/04) 44/04

**COAST PILOT 7            36 Ed 2004            Change No. 22  
LAST NM 43/04**

Page 454—Paragraph 71, lines 5 to 8; read:

winter boat storage are available. In April 2004, the channel leading from deep water in Nahcotta Channel to the basin had a controlling depth of 5 feet, thence depths of 4 to 6 feet were available in the basin except for lesser ...

(BP 184100) 44/04

Page 501—Paragraph 441, lines 2 to 4; read:

cannery, a boatbuilding plant, and the Alaska State Ferry Terminal Dock are on the N side of Post Point at **South Bellingham**. A seafood ...

(PS 37/98; NOS 18424) 44/04

Page 502—Paragraph 444, lines 13 to 15; read:

Squaticum Creek Waterway is marked by lighted buoys and a lighted range. I and J Street Waterway is marked by lights

## COAST PILOT 7 (Continued)

and buoys. Whatcom Creek Waterway is marked by a ...  
(LL/04; NOS 18424) 44/04

Page 502—Paragraph 454, line 15 to Paragraph 459; read:  
depths.)

**Port of Bellingham, Whatcom International Shipping Terminal, Liquid Chemical Pier** (48°44'35"N., 122°29'35"W.): berthing space, 195 feet (S side) and 400 feet (N side); depth alongside, 26 feet (N and S sides); deck height, 14 feet; overhead pipelines lead to storage tank farm at rear of facility with a capacity of 1 million gallons of caustic soda; shipment of caustic soda; owned and operated by Port of Bellingham.

**Port of Bellingham, Whatcom International Shipping Terminal, Main Wharf** (48°44'43"N., 122°29'39"W.): berthing space, 1,370 feet; depth alongside, 31 feet; deck height, 15.5 feet; two electric belt conveyors with rates of 700 tons and 400 tons per hour; open storage for 40,000 tons of salt; an additional 11 acres of open storage is available with four of those used for wood chips; receipt and shipment of conventional general cargo; receipt of salt and wood chips; shipment of aluminum ingots, wood pulp, logs, and lumber; owned by Port of Bellingham and operated by Port of Bellingham and Bellingham Stevedoring Co.

**Note:** If a tug is not furnished, the use of anchor in docking is recommended when winds prevail. Vessels backing out of the Whatcom Creek Waterway channel must stay in the axis of the channel until abeam of Starr Rock Buoy to avoid shoal water on either side.

**Georgia-Pacific West, Bellingham Operations Wharf** (48°44'56"N., 122°29'19"W.): berthing space, 1,400 feet; depth alongside, 36 feet (outer side), 18 feet (inner side); deck height, 16 feet, one fixed revolving crane and three mobile cranes up to 35 tons; conveyor system with a rate of 40,000 cubic feet per hour; four storage bins for wood chips with total capacity of 200 tons; two storage bins for hogged fuel with a total capacity of 100 tons; pipelines extend to storage tanks with 400,000 and 8 million gallon capacity; receipt of wood chips and hogged fuel; shipment of wood pulp, alcohol, and lignosite; owned and operated by Georgia Pacific West, Inc.

**Note:** Vessels docking with the assistance of a tug should use an anchor. Shoal water is at the NE end of the wharf.

**Port of Bellingham, South Terminal Barge Dock** (48°43'18"N., 122°30'34"W.): berthing space, 120 feet; depth alongside, 12 to 18 feet; deck height, 15 feet; handling supplies and equipment; owned and operated by Port of Bellingham.

(PS 37/98; NOS 18424) 44/04

Page 503—Paragraph 462, lines 11 to 15; read:  
railway that can handle vessels up to 700 tons, 120 feet long or 34 feet wide for hull repairs. Another repair yard, at Squalicum Boat Harbor has a marine railway that can handle vessels up to 290 tons, 125 feet long or 24 feet wide for hull repairs. Several local machine ...  
(PS 37/98) 44/04

Page 525—Paragraph 137, lines 6 to 8; read:  
the waterway also receive deep-draft vessels. (See **33 CFR 207.750**, chapter 2, for regulations.)  
(NOS/04) 44/04

Page 540—Paragraph 237, lines 2 to 6; read:  
on Port Gardner and only the deep-draft facilities on those piers are described. For a complete description ...  
(PS 37/98) 44/04

Page 540—Paragraph 237, line 14 to Paragraph 242; read:  
wharves and electrical shore power is available at all except Hewitt Wharf. General cargo at the port is usually handled by ships' tackle. Special handling equipment, if available, is mentioned in the description of the particular facility.

**Port of Everett, South Terminal, Berth No. 1 and Dolphin Berth** (47°58'31"N., 122°13'38"W.): depth alongside, 39 to 40 feet; deck height, 20 feet; berthing space, 1,555 feet; 30 acres of paved open storage; receipt and shipment of conventional general cargo; shipment of logs; owned and operated by Port of Everett.

**Port of Everett, Pacific Terminal Wharf** (47°58'47"N., 122°13'25"W.): depth alongside, 40 feet; deck height, 18 feet; berthing space, 600 feet; 8 acres of open storage; receipt and shipment of conventional and containerized general cargo in foreign and domestic trade; receipt and shipment of lumber and steel products; owned and operated by Port of Everett.

**Port of Everett, Hewitt Avenue Terminal, Pier No. 1** (47°58'42"N., 122°13'22"W.): depth alongside, 45 feet; deck height, 18 feet; berthing space, 140 feet (face), 600 feet (N side), 600 feet (S side); one 35-ton diesel crawler crane for handling containers; receipt and shipment of conventional and containerized general cargo; receipt and shipment of lumber and steel products; shipment of perishable food commodities; owned and operated by Port of Everett.

**Port of Everett, Hewitt Wharf** (47°58'47"N., 122°13'12"W.): depth alongside, 25 feet; deck height, 18 feet; berthing space, 830 feet; one 36,000-square foot refrigerated building; shipment of perishable food commodities; owned and operated by Port of Everett.

**Port of Everett, Hewitt Avenue Terminal, Pier No. 3** (47°58'53"N., 122°13'16"W.): depth alongside, 40 feet; deck height, 19 feet; berthing space, 120 feet (face), 800 feet (S side), 900 feet (N side); 15 acres of open storage, 55,000-ton covered storage dome, one mobile pneumatic unloader (rate of 600 tons per hour), 35-ton diesel crawler crane; receipt and shipment of conventional general cargo; shipment of lumber and logs; receipt of alumina; owned and operated by Port of Everett.  
(PS 37/98) 44/04

Page 578—Paragraph 163, line 7; read:  
during the winter months. A marker with flashing white lights and the words "DANGER", "SHOAL" has been placed in the area of shoaling at the mouth of river in 19°43'24"N., 155°04'15"W. Mariners are advised to use caution ...  
(36/04 CG14) 44/04

## COAST PILOT 7 (Continued)

Page 606—Paragraph 545, lines 5 to 8; read:  
the harbor are 8 to 20 feet. The approach to the channel is marked by lighted buoys and the channel is marked by private buoys, daybeacons, and a **013°30'** lighted range.  
(LL/04; NOS 19369) 44/04

## COAST PILOT 7      36 Ed 2004      Change No. 23

Page 214—Paragraph 3733; read:  
**§334.938 Federal Correctional Institution, Terminal Island, San Pedro Bay, California; restricted area.**

(a) *The area.* The waters of San Pedro Bay on the east side of Reservation Point extending 150 feet (50 yards), from the Federal Correctional Institution fence along the shore to the following stations:

Station	Latitude	Longitude
1	33°43'45.5"N	118°16'02.0"W
2	33°43'37.0"N	118°15'58.0"W
3	33°43'27.5"N	118°15'54.5"W

The stations will be marked by three special purpose buoys (white with an orange diamond in the center).

(b) *The regulations.* No person or vessel of any kind shall enter, navigate, anchor or moor within the restricted area without first obtaining the permission of the Warden, Federal Correctional Institution, Terminal Island. The regulations in this section shall be enforced by the U.S. Coast Guard, the Warden of the Federal Correctional Institution, Terminal Island, and such agencies and he/she may designate.  
(33 CFR 334.938) 44/04

Page 234—Paragraph 21, lines 3 to 4; read:  
navigable waters of the United States and within the 12-mile boundary of the U.S. territorial sea. (See ...  
(CL 1398/04) 44/04

Page 234—Paragraph 22, line 3; read:  
approaches to San Francisco; the system is mandatory.  
(CL 1398/04) 44/04

Page 259—Paragraph 179, lines 7 to 9; read:  
and regulations.) The Navy has implemented a protection barrier at the Naval Weapons Station in the bay. This barrier consists of alternating orange and white spherical buoys connected by wire rope. All boating traffic is required to stay within the small craft channel at all times.

In May 2003, the controlling depths were 36 feet at mid-channel, 34 feet in the left outside quarter, and 30 feet in the right outside quarter to the turning basin, thence 33 feet in the basin. The channel ...  
(CL 1001/04; BPs 181031-32) 44/04

Page 265—Paragraphs 289 to 290; read:  
A **naval restricted area** is in the West Basin off the S shore of Terminal Island inside the jetty of the Naval Base

Mole and a **restricted area** is off the E side of Reservation Point. (See **334.1 through 334.6** and **334.938** and **334.990**, chapter 2, for limits and regulations.)

A **regulated navigation area** has been established in the waters S of the Los Angeles-Long Beach breakwater encompassing the approaches to both Los Angeles and Long Beach harbors. (See **165.1 through 165.13** and **165.1109**, chapter 2, for limits and regulations.)  
(NOS 18751; NOS 18749; 33 CFR 334.938) 44/04

Page 317—Paragraph 47, lines 2 to 5; read:  
Service (VTS) is to coordinate the safe, secure, and efficient transit of vessels in San Francisco Bay including its approaches and tributaries in an effort to prevent accidents with the possible associated loss of life, damage to property and the environment VTS also fully ...  
(CL 1398/04) 44/04

Page 318—Paragraph 54, lines 1 to 7; read:  
For detailed information about the VTS, go to the Coast Guard's VTS website at [www.uscg.mil/d11/vtssf](http://www.uscg.mil/d11/vtssf). The site contains links to the Users Manual, Communications Guide, Regulated Navigation Areas, and other information particularly useful to commercial and recreational mariners. Vessels ...  
(CL 1398/04) 44/04

Page 318—Paragraph 55, lines 3 to 6; read:  
Central Bay, Lower Bay, San Pablo Bay, Carquinez Strait, Suisun Bay, Sacramento River, and San Joaquin River. (See **165.1 through 165.13** and **165.1181** and **165.1182**, chapter 2, for limits and regulations.)  
(CL 1398/04; 33 CFR 165.1181;  
33 CFR 165.1182) 44/04

Page 354—Paragraph 498; read:  
**Coast Guard Station Vallejo**, about 2.5 miles above the entrance to Mare Island Strait just below the Vallejo-Mare Island causeway lift bridge, is on the E side of the strait.  
(CL 1378/04) 44/04

Page 423—Paragraph 54, lines 9 to 13; strike out.  
(CL 1399/04) 44/04

Page 423—Paragraph 56; strike out.  
(CL 1399/04) 44/04

Page 424—Paragraph 70, lines 2 to 3; read:  
Pilots for the river entrance, from the open sea in at least 30 fathoms of water to the easternmost wharf at Astoria, and by the Columbia River Pilots from the westernmost wharf at Astoria to the head of navigation on the Columbia or Willamette Rivers and their tributaries. The Columbia River Pilots ...  
(CL 1399/04) 44/04

**COAST PILOT 7            36 Ed 2004            Change No. 24**

Page 424—Paragraph 71, lines 5 to 7; read:  
advance by telephone or fax to the pilot office in Astoria, or  
by wire to BARPILOT ASTO: TWX 9104668014; ...  
(CL 1399/04) 44/04

Page 424—Paragraph 71, lines 12 to 16; read:  
causes, Columbia River Bar Pilots are to be notified no later  
than 4 hours before the original ETA expires. Failure to com-  
municate in a timely manner directly to the Columbia River  
Bar Pilots may result in delay. Marine exchange, vessel  
agents and Columbia River Pilots ...  
(CL 1399/04) 44/04

Page 424—Paragraph 71, lines 23 to 25; read:  
placed to the Columbia River Bar Pilots office in Astoria,  
OR.  
When ordering a Columbia River Bar Pilot, the following  
...  
(CL 1399/04) 44/04

Page 424—Paragraph 76, line 2 to Paragraph 77, line 2;  
read:  
Pilots is accomplished by helicopter or boat. All vessels are  
required to contact Columbia River Bar Pilots via VHF  
channel 9, 13, or 16 as far in advance as possible of arrival  
time. The call sign for the Bar Pilot office is KOK-360. Ves-  
sels will be asked to confirm arrival time and are advised to  
call in again when 15 miles form the CR buoy via VHF  
channels 9 or 13. At that time vessels will be advised of pilot  
boarding instructions. The primary method of pilot boarding  
is by helicopter. The Bar Pilots also maintain one of 2 pilot  
boats on standby at all times. Vessels should not approach  
the CR buoy until advised by a pilot. While awaiting a pilot  
boarding by helicopter or pilot boat, vessels should stay  
within a marshalling area approximately 5 miles west of the  
CR buoy. Pilots boarding by helicopter will generally board  
within 4 to10 miles northwest to southwest of the CR buoy.  
Boarding by pilot boat generally takes place in the vicinity of  
the CR buoy.

**Helicopter Transfer Procedures****General:**

Operations will be in accordance with ICAO regulations  
and with the International Chamber of Shipping's Guide to  
Helicopter/Ship Operations rules. The pilot helicopter SEA-  
HAWK is 42.7 feet long with a rotor span of 36 feet and has  
a blue and white body with the word PILOT prominently  
displayed on the side. Vessel configuration, sea state and  
wind force will determine if a hoist or landing will be con-  
ducted. To provide ...  
(CL 1399/04) 44/04

Page 424—Paragraph 78 to Paragraph 81, line 4; read:

**Communication:**

1. The arriving vessel shall call in to Columbia River

Bar Pilots on VHF channels 9 or 13 with course and speed  
information.

2. Pilot helicopter "SEAHAWK" will then be dispatched  
to the vessel with the Marine Pilot.

3. The arriving vessel must remain on VHF channel 9  
for helicopter operations until the marine pilot is safely  
transferred and the helicopter has departed the area.

**Masters, prior to helicopter arrival must confirm the fol-  
lowing:**

(CL 1399/04) 44/04

Page 425—Paragraphs 95 to 103; read:

**Pilot Boat Transfer Procedures:**

If the arriving vessel is advised that the pilot boat be uti-  
lized for pilot transfer, one of two boats will be used, as fol-  
lows:

The pilot boat CHINOOK is 72 feet long and has a yellow  
hull and yellow super structure with the word PILOT promi-  
nently displayed on the side of the house. The pilot boat  
COLUMBIA is 82 feet long and has a white hull and a white  
and orange superstructure with the word PILOT prominently  
displayed on the side of the house.

When CHINOOK is used, speed of the vessel should be 12  
to 14 knots and the pilot ladder should be rigged 2 meters  
above the waterline. When the COLUMBIA is used, speed  
of the vessel should be 10 knots and the pilot ladder should  
be rigged 3 meters above the waterline. With either boat, the  
ladder should be rigged on the side indicated by the pilot  
boat, as close to midship as possible, with no manropes, and  
clear of all discharges and obstructions. The ladder must be  
rigged in accordance with SOLAS requirements, and must  
be well lighted at night. Manropes are required on outbound  
vessels.

When transferring pilots off Astoria, pilot boat ARROW 2  
is used. It is 53 feet in length with a dark green hull and  
white superstructure. The word PILOT is prominently dis-  
played on a signboard forward of the house. When using the  
ARROW 2, the pilot ladder should be rigged midship, 1  
meter above the waterline, in accordance with SOLAS  
requirements. Maximum speed of the vessel should be 9  
knots.

Inbound vessels with drafts of 36 feet or greater are  
requested to arrive at Astoria 2 hours prior to Astoria high  
tide in order to take advantage of tidal conditions. Outbound  
vessels with drafts of up to 36 feet but less than 38 feet can  
generally sail at any time, but occasionally sailing times  
must be delayed to avoid transiting the river during  
extremely low tides. Outbound vessels with drafts of 38 feet  
or greater must have sailing times set to take advantage of  
optimum tidal conditions.

Masters of vessels arriving at the Columbia River during a  
bar closure are advised to stand offshore at least 10 miles  
west of the Columbia River Approach Buoy "CR" and await  
instructions from the Columbia River Bar Pilots. Using the  
open roadstead in the vicinity of the Columbia River  
entrance as an anchorage is dangerous in any weather, and IS  
NOT recommended by the Columbia River Bar Pilots.

A fixed amber light is maintained by the Columbia River  
Bar Pilots atop the pilot office at Astoria. When this light is

**COAST PILOT 7 (Continued)**

exhibited it will inform outward bound vessels that desire a Bar Pilot that the bar is not passable and that the vessel should remain in port.

(CL 1399/04) 44/04

Page 657—Paragraphs 153 to 154; read:

Vallejo (38°06'38"N., 122°16'12"W.) 2.5 miles above the entrance to Mare Island Strait just below the Vallejo-Mare Island causeway lift bridge.

(CL 1378/04) 44/04

**COAST PILOT 7            36 Ed 2004            Change No. 25**

Page 643—Paragraphs 2 to 6; read:

**National Wildlife Refuges, American Samoa**

The National Wildlife Refuges of Rose Atoll (American Samoa), Howland Island, Baker Island, Jarvis Island, and Palmyra Atoll are administered by the U.S. Fish and Wildlife Service, Department of the Interior. The refuge boundaries extend outward to the 3-mile limit, except Palmyra Atoll with an outward boundary of 12 miles. Entry into the refuge without a permit is prohibited, except in an emergency. An entry permit is obtained from Refuge Manager, Hawai'ian/Pacific Islands National Wildlife Refuge Complex (see appendix, under Department of Interior (indexed as such), for address).

**Chart 83484**

The **Samoa Islands** (Navigator Islands) (13°25'S. to 14°30'S.; 168°00'W. to 173°00'W.) consists of two groups of islands, which are commonly referred to as **American Samoa** and **Western Samoa**. The islands comprising American Samoa are **Tutuila Island, Aunu'u Island, Ofu Island, Olosega Island, Ta'u Island, and Rose Atoll**. Western Samoa comprises the islands of **Upolu Island and Savai'i Island**.

The Samoa Islands have been populated for 3,000 years, but known to the western world for little more than two centuries. American Samoa, the only U.S. territory S of the equator, consists of five rugged, highly eroded volcanic islands, and two coral atolls. The land area of the territory is 76 square miles. The islands have population of approximately 60,000, with most people living on the main island of Tutuila. Tuna fishing and canning are the major industries.

**COLREGS Demarcation Lines**

The lines established for U.S. Pacific Island Possessions are described in 80.1495, chapter 2.

**Weather, Samoa Islands**

The prevailing winds, or so-called trade winds, come from a direction more nearly E, blowing between ESE and NNE. They are fairly constant through the dry season, but during the wet season they are fitful, and are frequently broken by periods of calm. The islands lie within the typhoon area of the W Pacific. Typhoons occur from January to March, and occasionally up to the middle of April. The year divides itself distinctly, but not sharply into a dry season (May to

November) and a wet season (November to April.) The wettest month, January, has a range of 5 to 65 inches of precipitation. The annual rainfall has also varied this much. The climate varies little from year to year, because of the great area of water surrounding the group. December is the hottest month, with an average excess of only about 2° over the mean temperature for July, the coldest month.

**Caution**

Caution should be exercised in the vicinity of American Samoa, as several Fish Aggregating Devices have been moored at off-lying, deep-water locations around Tutuila, and other positions around the group. The devices may drift off position, and/or concentrations of fishing vessels may be found in their vicinity. The devices are comprised of aluminum catamaran floats painted orange and white. Each device carries a white daymark, fitted with the letter designation of the device, and a flashing white light. The devices offer good radar returns.

**Rose Atoll** (14°33'S., 168°09'W.), the farthest E of the Samoa Islands, is nearly square in shape; its sides are about 1.5 miles in length. Sand Island, inside the reef on the N extremity, is merely a sand spot. A large clump of trees, 65 feet high, stands on Rose Atoll. There is a boat channel into the lagoon, close W of the N extremity of the reef. Rose Atoll is a U.S. National Wildlife Refuge. (See National Wildlife Refuges, this chapter.)

**Tide-Currents**

Tidal currents off Rose Atoll are reported to set NE and SW, with the SW or ebb current being the stronger.

The **Manua Islands** (14°13'S., 169°33'W.) consists of three islands, Ofu, Olosega, and Ta'u, which extend over an area of about 17 miles in an ESE-WNW direction. The islands are about 60 miles E of Tutuila. Ofu and Olosega are joined by a bridge. These islands are sparsely populated. The villages on the islands have only a few hundred people. There is a national park on Ofu and Ta'u.

**Ta'u Island** (14°15'S., 169°28'W.) is the farthest of the three islands which comprise the Manua Islands. The island is about 5.8 miles long E-W, is dome-shaped, and rises to a height of 3,170 feet. It is covered with vegetation. **Maafee Islet** is located close offshore, about 0.3 mile S of the W extremity of the island.

**Ta'u Harbor** (14°14.5'S., 169°30.6'W.), on the W shore, should only be entered by flat bottom boats; caution is advised. Currents and waves can push a vessel into the rock wall and reef groin. The channel is shallow due to sand accumulations. The harbormaster reported a depth of 4 to 5 feet at low tide. The dock is poorly maintained and should be avoided. Permission to enter the harbor along with directions must be obtained from the harbormaster in Pago Pago Harbor.

**Faleasao Harbor** (14°13.02'S., 169°30.10'W.) is located at the NW point of Ta'u Island. Severe storms have damaged the jetty and mariners are advised to avoid the jetty while transiting the channel. Numerous coral heads and a shallow bottom present a danger to navigation. The harbormaster reported a depth of 8 feet or less at low tide. Permission to enter the harbor along with directions must be obtained from

**COAST PILOT 7 (Continued)**

the harbormaster in Pago Pago Harbor.

**Anchorage**

**Faleasau (Faleasao)**, on the NW side of the island, affords sheltered anchorage, in 14.5 fathoms, during the trade winds, but a vessel should be prepared to weigh anchor with any change. Anchorage may be obtained, in 13 fathoms, coral, 0.4 mile W of **Fitiuta Point**, the NE extremity of the island.

**Caution**

An area with a least depth of 22 fathoms, is about 1.3 miles W from the NW extremity of Ta'u Island. This area has experienced submarine volcanic action.

**Tides-Currents**

The tidal currents at the Faleasau anchorage flow SW on the ebb at 1 to 2 knots, and the flood flows NW at 1 to 2 knots.

**Olosega Island** (14°11'S., 169°37'W.), 6 miles NW of Ta'u Island, rises nearly perpendicular on its W side to a height of 2,095 feet. The coral reef surrounding the island consists of two regular shelves, one beyond the other. There is fair anchorage, except during the trade winds, in 18 fathoms, coral, S of the W extremity of Olosega Island, and in 14.5 fathoms, sand, NE of the W extremity of the island.

**Ofu Island** (14°11'S., 169°39'W.) is separated from Olosega Island by Asaga Strait, which is about 0.2 mile wide. Ofu Island is nearly 3 miles long in an E-W direction, and about 1.5 miles at its widest point. The island rises to 1,621 feet on its SE part. Two islets lie off the W side of the island. The coastal reef extends about 0.2 mile from Ofu Island to these islets. Lights are on the NW end of the island.

**Ofu Harbor** (14°09.8'S., 169°40.9'W.) is on the NW point of Ofu Island. Severe storms have filled in the harbor with sediment. The storms have also damaged the seawalls and mariners are advised to stay clear. Approach to dock is shallow with a reported depth of 10 feet by the harbormaster. Offloading and loading of cargo is not advised during high tide. Permission to enter the harbor along with directions must be obtained from the harbormaster in Pago Pago Harbor.

**Tutuila Island** (14°19'S., 170°42'W.) is about 17 miles long in an ENE-WSW direction, 5 miles wide, and rises to a height of 2,142 feet. A wooded mountain ridge extends nearly the entire length of the island and is extremely rugged, especially in the E. The N coast is bold and precipitous. The 100-fathom curve lies from 0.1 to 2.3 miles off the S coast, about 4.3 miles off the W extremity, and from 1.3 to 2.5 miles off the N coast. There are several shoal areas, especially off the S coast, which are best seen on the chart. The S coast of the island extends from **Cape Matatula**, the E extremity of the island, in a WSW direction about 14 miles to **Steps Point**, the S extremity, and then about 5.8 miles NW to **Cape Taputapu**, the W extremity. From **Cape Matatula** to **Matuli Point**, 1.5 miles S, the coast is fronted by a reef which extends about 0.1 mile offshore.

**Tides-Currents**

Currents near the coast set SSW, particularly with NE winds; velocities of 4 knots have been observed. Between

Tutuila Island and Upolo Island (Western Samoa), a NW current with a velocity of less than 0.5 knot has been found to exist. A current setting SW from Cape Taputapu is said to produce overfalls.

**Aunuu Island** (14°17'S., 170°33'W.) is 0.7 mile SSE of Matuli Point. The island has two peaks, and there is a village at its W end. Lights are on the NE side and off the NW corner.

**Aunuu Harbor** is located on the west side of Aunuu Island. Aunuu Harbor is a feeder port for the island. Small boats from **Auasi Harbor** on Tutuila Island frequently transit between the islands. Mariners should be aware that the light off the NW corner of the island, near the harbor, marks the entrance and is on the S jetty, not the N jetty. Permission to enter the harbor along with directions must be obtained from the harbormaster in Pago Pago Harbor.

**Caution**

A cable area extends across the channel between Aunuu and Tutuila Islands and is best seen on the chart; vessels should avoid anchoring in the vicinity. **Nafanua Bank**, with a least charted depth of 3 fathoms, extends 1.5 miles in a SW direction from Aunuu Island. A rock, covered 1 fathom, is about 0.4 mile SSE of **Cape Fogausa**. A rock, covered 3 fathoms, is about 1.2 miles SW of Cape Fogausa between **Fagaitua Bay** and **Narragansett Passage**. The chart should be consulted for other depths.

**Breakers Point** (14°17.4'S., 170°39.8'W.), 3.5 miles WSW of Cape Fogausa, is the E entrance point to Pago Pago Harbor and is marked by a light. In 1989, discolored water was reported in the S approach to the harbor in about 14°22.2'S., 170°40.7'W. **Taema Bank**, with a least depth of 4 fathoms, lies about 1.6 miles SSE of the entrance to Pago Pago Harbor. The bank is about 2.3 miles long in an ENE-WSW direction and is marked on the W end by a lighted buoy. Narragansett Passage is between Taema Bank and Nafanua Bank to the E. There are several banks in the vicinity of the passage whose positions may best be seen on the chart. The passage is not recommended due to the age of survey.

**Pago Pago Harbor** (14°17'S., 170°40'W.), a natural harbor located on the S shore of Tutuila Island, is entered between Breakers Point and **Niuloa Point**. **Pago Pago**, on the NW side of the harbor is the largest village on the island and is the capital of American Samoa; it is the only port of entry for American Samoa. The village of **Utulei** is close SE of the government administration buildings, and the village of **Fagatogo** is close W of the same buildings.

**Prominent Features**

Easily identified landmarks include Aunuu Island; Steps Point, the S extremity of the island marked by a light; the sharp peak of **Matafao**, 2,142 feet high, 1.3 miles S of Pago Pago; the flat, dome shape of **North Pioa Mountain**, 1,718 feet high, on the E side of the harbor; and **Fatu Rock**, 102 feet high, 0.2 mile S of Niuloa Point. **Tauga Rock**, about 1 mile E of Breakers Point, is 89 feet high and prominent.

**Routes**

Vessels approaching from the E should pass about 2 miles

**COAST PILOT 7 (Continued)**

E and 1.5 miles SE of Aunuu Island, thence a course of **256°** should be steered until **Breakers Point Light** (14°17'36"S., 170°39'48"W.) bears about **025°**, thence alter course to the N to pass W of Taema Bank. When clear of the bank, steer a NE course to intersect the entrance range, thence steer **342°** and enter the harbor the range. This range line passes E of **Whale Rock** and W of **Toasa Rock**. Vessels and deep-draft vessels approaching from the W or S should keep outside the 100-fathom line until reaching 14°21'S., 170°41.5'W., thence steer 025° to clear the W end of Taema Bank, then proceed as directed above. Mariners should stay way clear of Taema Bank. Locals have noted breakers over Taema Bank during rough weather.

**Anchorage**

There is good anchorage in the inner harbor, in 6 to 25 fathoms, mud and sand. The best anchorage for large vessels is at midchannel off the Main Dock. Vessels of 1,000 gross tons or more should not anchor in less than 15 fathoms, as the harbor becomes narrow and there is no room to swing.

**Dangers**

The shores of the harbor are fringed by reefs, which on the W and E sides of the entrance extend up to 0.3 mile offshore. In most parts the reefs are steep-to and their edges are marked by surf. The depths in the harbor are from 17 to 37 fathoms. A 10-fathom spot is outside the 20-fathom line, about 0.2 mile of Breakers Point. A dangerous submerged wreck is about 0.1 mile E of the spot. **Whale Rock**, covered 2 fathoms and marked by a lighted buoy on the E side and **Toasa Rock** covered 2 feet and marked by a buoy on the SW side, are the two principal dangers in the harbor.

**Tides**

The mean tidal range is 2.3 feet, while the spring range is 3 feet.

**Pilotage**

Pilotage is not compulsory, but is advisable; a pilot is available day or night. Pilotage fees are charged whether or not a pilot is used. It is recommended that large vessels request a pilot if docking in inclement weather. A radio request for a pilot should be made 24 hours prior to the ETA. The pilot prefers to embark close to the dock, but in good weather will embark off Fatu Rock. Entrance at night is not encouraged; however, if previous arrangements are made and weather permits, a pilot embark during hours of darkness. Port officials board incoming ships alongside the dock.

**Harbormaster**

Pago Pago Control and the harbormaster may be contacted on VHF-FM channel 16. Pago Pago Harbor Control also monitors 2182 kHz. Required notifications to the Officer in Charge, Marine Inspection and/or the Captain of the Port, Honolulu, may be made in American Samoa to:

U.S. Coast Guard Liaison Office, American Samoa  
P.O. Box 249  
Pago Pago, American Samoa

**Wharves**

Station Wharf (Main Wharf), on the S side of the inner harbor, has depths of 5 to 6 fathoms alongside, however, in 1987, a vessel reported a least depth of 5 fathoms alongside. A deep draft container wharf, 787 feet long, is situated between Station Wharf and the oil dock. The oil dock has depths of 5 fathoms alongside. In 1992, Station Wharf and the oil dock were reported to be in poor condition. The customs pier has a depth of 1 fathoms at the SW end and 3 fathoms at the NE end. The facilities on the N shore of the inner harbor are reserved for the fishing fleet serving the canneries.

From Pago Pago Harbor, the shore trends SW 6.8 miles to **Steps Point** (14°22.4'S., 170°45.6'W.) Midway along this stretch of shore, near the airport, a reef extends about 0.3 mile offshore; the sea breaks continuously on this reef.

The area W of Steps Point, including **Fagatele Bay**, was designated **Fagatele Bay National Marine Sanctuary** in 1986. Within the sanctuary lies a Paleo-tropical coral reef with close to 200 species of coral and several hundred species of fish. Due to the "no disturbance of the bottom" and "no take of invertebrates" prohibitions throughout the sanctuary, anchoring is discouraged. No discharges are permitted within the sanctuary boundary; boaters are asked to restrict any discharges near the mouth of the bay. Scuba divers should display a "diver down" flag when in the water. (See **15 CFR 922.1 through 922.50** and **Subpart J**, chapter 2, for limits and regulations.)

The shore from Steps Point to **Papualoa Point**, about 2 miles NW, is formed partly by perpendicular rocks and partly by blocks of lava, which extend some distance seaward and upon which the sea breaks. **Leone Bay** is entered between Papualoa Point and **Fagaone Point**, and is open to the SSW. There is anchorage W of the village of **Leone**, in 15 to 20 fathoms, but it is dangerous when winds are from the S or SSW.

**Cape Taputapu** (14°19'S., 170°51'W.), the W extremity of Tutuila, lies 1.5 miles WNW of Fagaone Point. It is a mass of high, steep rocks, fronted by some rocky islets. **Taputapu Island** lies on the reef close SW of Cape Taputapu. The following banks, with the indicated least depths, lie in the approach to Cape Taputapu:

- a. 14 fathoms – 3.3 miles SE.
- b. 11 fathoms – 2.3 miles SSE.
- c. 15 fathoms – 3.8 miles SW.
- d. 18 fathoms – 3.5 miles W.

The N coast of Tutuila is described from E to W. From Cape Matatula to **Pola Island**, 6.5 miles W, the coast is indented by numerous bays. The coast then trends WSW 11 miles to Cape Taputapu. This coast is also indented with bays. **Aoa Bay** (14°15'S., 170°35.4'W.), affords anchorage, in 16 fathoms, midway between the entrance points. **Masefau Bay**, entered W of **Tiapea Point**, 1.5 miles W of Aoa Bay, affords anchorage, in 17 fathoms. The surrounding reefs and **Nuusetoga Island**, off the W entrance point, narrow the anchorage. **Afono Bay**, 1.5 miles W of Nuusetoga Island, is reported to provide good anchorage, in 14 fathoms, coral, except in N winds.

**Pola Island** (14°14'S., 170°40.2'W.), 1.5 miles NW of Afona Bay, is located off the N extremity of Tutuila Island.

**COAST PILOT 7 (Continued)**

**Cockscomb Point**, the N extremity of Pola Island is formed by a ridge of rocks, which are high, indented, and steep. An area with a least depth of 13 fathoms is just over 1 mile ENE of Cockscomb Point and an area with a least depth of 15 fathoms is about 1.5 miles W of the point. **Fagasa Bay** is about 4 miles SW of Cockscomb Point. Anchorage, protected from the trades, can be had in 13 fathoms between the E and W points of the bay. Between Fagasa Bay and **Aoloau Bay**, 3 miles WSW, there are two small bays backed by mountains. Aoloau Bay affords good anchorage, in 14 fathoms in mid-bay, but vessels should be prepared to leave on short notice when the winds shift to the N. Aoloau Bay is small and surrounded by high mountains. A 12-fathom area is 1.5 miles NNE of Aoloau Bay. Similar depths are charted to a distance of 4.8 miles W of the 12-fathom depth. **Poloa Bay** (14°19'S., 170°50.6'W.), 4 miles SW of Aoloau Bay, affords good anchorage during E winds, in 16 fathoms, midway between the entrance points. Vessels should be prepared to leave on short notice when the wind shifts to the W. In this bay there is a 1 to 4 knot current that runs in a SW direction. Cape Taputapu is located close SW of Poloa Bay.

**Chart 83116**

**Howland Island** (0°48'N., 176°38'W.), **Baker Island** (0°12'N., 176°28'W.), and **Jarvis Island** (0°23'S., 160°01'W.) are National Wildlife Refuges (see National Wildlife Refuges, this chapter).

(CL 1401/04; CL 1423/04; LL/04; NOS 83484) 44/04

**COAST PILOT 7            36 Ed 2004    Change No. 26**

Page 257—Paragraph 145; read:

In March 2004, the controlling depths were 15.7 feet in the entrance (except for lesser depths along the S breakwater), thence 9.5 feet in the right half and 0.3 feet in the left half of the channel that leads WNW to the W basin; the channel to the E basin had a depth of 10.1 feet. The harbor is well protected from all sides.

(BP 183714) 44/04

Page 275—Paragraph 445, lines 5 to 14; read:

and the detached breakwater. In February-March 2004, a depth of 13.7 feet was available in both openings, giving the ends of the jetties a wide berth due to shoaling; the chart is the best guide, thence 12.5 feet in the entrance channel into the harbor just past Basins B and H, thence 10.0 feet to Basin E at the head of the harbor. The N and S ends of the detached

... (BPs 183709-10) 44/04

Page 394—Paragraph 6, lines 18 to 23; read:  
the E jetty.

In June 2004, the controlling depths were 10 feet in the entrance channel to the turning basin, thence 7 to 13 feet was available in the basin, thence 5 feet in the entrance to the SE basin; the barge slip had depths of 3 to 7 feet. An overhead power cable crossing the river ...

(BP 183864) 44/04

Page 397—Paragraph 60, lines 1 to 2; read:

In July 2004, depths along the E side of the wharf were 9 to 12 feet with lesser depths at the N end towards shore. Gasoline, diesel fuel, and water ...

(BP 184293) 44/04

Page 410—Paragraph 218, lines 8 to 10; read:

ramp at the head of the boat basin. In March 2004, the controlling depth was 8 feet (except for shoaling from 7 to 2 feet in the right outside quarter of the channel along the W breakwater.) Gasoline, ...

(BP 183700) 44/04

Page 411—Paragraph 231, lines 3 to 4; read:

feet; thence in March 2004, depths of 5 to 8 feet were available in the basin (except for lesser depths in the NE and SE corners.) In 1994, shoaling to 4 ...

(BP 183687) 44/04

Page 413—Paragraph 266, lines 2 to 10; read:

jetties. The N jetty extends about 650 yards offshore. An entrance channel crosses the bar and leads eastward between the jetties, thence the channel turns SE, about 0.9 mile above the seaward end of the N jetty, and continues to about 0.3 mile past Kincheloe Point, thence the channel turns eastward and leads to a turning basin just W of Miami Cove. An access channel leads N from the turning basin to a mooring basin at the town of Garibaldi.

In July 2004, the controlling depths were 18 feet in the entrance channel to the point where the channel turns SE, thence in July 2002-July 2004, 15 feet to Garibaldi Light 19, thence 9 feet along the N ...

(BP 183981; NOS 18558) 44/04

## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
675 29025	SHINNECOCK LIGHT	40 50 31 N 72 28 42 W	FI (2) W 15s 1s fl 2s ec. 1s fl 11s ec.	75	11	Red skeleton tower.	HORN: 1 blast ev 15s (2s bl).
			*		*		* 44/04
13174	<i>James Longstreet Isolated Danger Lighted Buoy DJ</i> Marks naval aircraft bombing target.	41 49 48 N 70 02 42 W	FI (2) W 5s			Black and red with two black spherical topmarks.	Replaced by can from Oct. 15 to Apr. 15.
							* 44/04
<b>SHINNECOCK BAY TO EAST ROCKAWAY INLET (Chart 12352)</b>							
<b>Shinnecock Inlet</b>							
29025 675	SHINNECOCK LIGHT	40 50 30 N 72 28 42 W	FI (2) W 15s 1s fl 2s ec. 1s fl 11s ec.	75	11	Red skeleton tower.	HORN: 1 blast ev 15s (2s bl).
			*		*		* 44/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1205	Harrah's Marina Buoy B						<i>Remove from list.</i>
							* 44/04
1210	Harrah's Marina Buoy C						<i>Remove from list.</i>
							* 44/04
2716	SALEM CANAL WEST LIGHT A						<i>Remove from list.</i>
							* 44/04
4630	Indian River Bay Shellfish Exclusion Buoy						<i>Remove from list.</i>
							* 44/04
4635	Indian River Bay Shellfish Exclusion Buoy						<i>Remove from list.</i>
							* 44/04
4640	Indian River Bay Shellfish Exclusion Buoy						<i>Remove from list.</i>
							* 44/04
7195	- Calibration Buoy						<i>Remove from list.</i>
							* 44/04
7245 21435	OLD PLANTATION FLATS LIGHT						<i>Remove from list.</i>
							* 44/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7535	USN AERIAL GUNNERY AREA LIGHT A						<i>Remove from list.</i>
							* 44/04
8775	Abbey Point Obstruction Buoy						<i>Remove from list.</i>
							* 44/04
9395	- LIGHT B						<i>Remove from list.</i>
							* 44/04
9400	- WARNING LIGHT		FI W 4s	15	5	NW on pile worded DANGER OBSTRUCTION.	
	*		*			*	44/04
9490	Naval Base Daybeacon 3						<i>Remove from list.</i>
							* 44/04
9553	- North Channel Daybeacon 7						<i>Remove from list.</i>
							* 44/04
10350	- Daybeacon 4						<i>Remove from list.</i>
							* 44/04
10655	- LIGHT 10						<i>Remove from list.</i>
							* 44/04
12119.5	- Daybeacon 2S						<i>Remove from list.</i>
							* 44/04
12122	JAMESTOWN FESTIVAL PARK LIGHT						<i>Remove from list.</i>
							* 44/04
13110	Langley Yacht Club Buoy A						<i>Remove from list.</i>
							* 44/04
13115	Langley Yacht Club Buoy B						<i>Remove from list.</i>
							* 44/04
	<b>*Delete Heading: *Southern Branch</b>						
15003	- Daybeacon 2S						<i>Remove from list.</i>
							* 44/04
15003.1	- Daybeacon 4						<i>Remove from list.</i>
							* 44/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15003.2	- Daybeacon 6						<i>Remove from list.</i>
							* 44/04
15003.3	- Daybeacon 8						<i>Remove from list.</i>
							* 44/04
15003.4	- Daybeacon 9						<i>Remove from list.</i>
							* 44/04
16625	- Daybeacon 19						<i>Remove from list.</i>
							* 44/04
	<b>Smith Creek</b>						
16640	- APPROACH LIGHT 2S	38 05 31 N 76 24 16 W	<b>Q R</b>	15	5	TR on pile.	
		*	*			*	44/04
16912	Maryland Historical Trust Diving Preserve Mooring Buoy						<i>Remove from list.</i>
							* 44/04
18120	STUMP NECK PIER LIGHT						<i>Remove from list.</i>
							* 44/04
18750	Underwater Storage Sewer Marker Buoys (2)						<i>Remove from list.</i>
							* 44/04
19380	- Entrance Daybeacon 6						<i>Remove from list.</i>
							* 44/04
19781	CLASS OF 43 LIGHT						<i>Remove from list.</i>
							* 44/04
20230	Spriggs Pond Warning Daybeacon A						<i>Remove from list.</i>
							* 44/04
20305	- Royal Beach Association Buoy 2						<i>Remove from list.</i>
							* 44/04
20365	Patapsco River 1/2 Measured Mile Marker Buoy B						<i>Remove from list.</i>
							* 44/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading and Note: *Marine Pier Channel							
*Channel buoys located 15 - 50 feet outside channel limit.							
20635	- RANGE FRONT LIGHT						Remove from list.  * 44/04
20640	- RANGE REAR LIGHT 800 yards, 038° from front light.						Remove from list.  * 44/04
*Add Heading: *Marine Pier Channel							
*20641	- Buoy 1	39 12 32 N 76 30 59 W				Green can.	   44/04
20973	CURTIS BAY COMPANY TERMINAL DOCK LIGHT						Remove from list.  * 44/04
21435 7245	OLD PLANTATION FLATS LIGHT	37 13 44 N 76 02 49 W	FI W 4s	39	8	NB on pile.	Higher intensity beam toward 200°. * 44/04
21902	- Channel Daybeacon 12A						Remove from list.  * 44/04
22810	State Boundary Line Daybeacon G						Remove from list.  * 44/04
24895	- Buoy J						Remove from list.  * 44/04
25600	- Daybeacon 6						Remove from list.  * 44/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PONCE DE LEON INLET TO CAPE CANAVERAL (Chart 11484)							
610	Ponce De Leon Inlet Light	29 04 48 N 80 55 42 W	FI (6) W 30s	159	22	Red brick conical tower.	Private aid.  * 44/04
6185.5	- Lighted Buoy 20A		FI R 2.5s		3	Red.	* 44/04

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6185.7	- Lighted Buoy 21		Q G		3	Green.	
	*						44/04
12627.9	- Daybeacon 10						<i>Remove from list.</i>
							* 44/04
18120	- LIGHT 7		F I G 4s	16	3	SG on pile.	
						*	44/04
25020	- LIGHT 2	27 46 18 N 82 37 30 W	F I R 4s	10	5	TR on pile on small white house.	Higher intensity beam downstream.
				*			44/04
*36452	- Southwest Obstruction Daybeacon					NW on pile worded: DANGER SUBMERGED REEF.	
							44/04
50700.5	- Buoy 6A	27 09 54 N 80 11 23 W				Red nun with yellow triangle.	
		*					44/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*262	POGO-MP-61-D RACON			40		On Pogo Platform	BAND: S, X. SIGN: POGO-MP-61-D RACON: X (-••-) Private aid.
							44/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*381	<i>Scripps Lighted Research Buoy Station 029</i>	37 56 45 N 123 28 12 W	F I (5) Y 20s			Yellow sphere with whip antenna.	Private aid.
							44/04
435	Little River Bell Buoy LR	39 15 57 N 123 48 44 W				Red and white stripes with red spherical topmark.	
		*					44/04
440	Mendocino Bay Whistle Buoy MB	39 17 52 N 123 48 44 W				Red and white stripes with red spherical topmark.	
		*					44/04
445	<i>NOAA Environmental Lighted Buoy EB 46014</i>	39 12 35 N 123 58 10 W	F I (4) Y 20s			Yellow disc-shaped buoy.	
		*					44/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
465	<i>Point Delgada Lighted Whistle Buoy 20</i>	40 00 15 N 124 04 52 W	F I R 6s		4	Red.	
		*					44/04
470	Sheller Cove Entrance Bell Buoy 1	40 00 34 N 124 03 35 W				Green.	
		*					44/04
475	<i>Punta Gorda Lighted Whistle Buoy 24</i>	40 14 54 N 124 22 14 W	F I R 6s		4	Red.	
		*					44/04
485	<i>Blunts Reef Lighted Bell Buoy 2B (ELB)</i>	40 26 24 N 124 30 19 W	F I R 2.5s		5	Red.	
		*					44/04
500	<i>NOAA Environmental Lighted Buoy 46022</i>	40 42 45 N 124 31 08 W	F I (4) Y 20s		6	Yellow disk-shaped buoy.	
		*					44/04
515	Pilot Rock Gong Buoy 2	41 02 38 N 124 09 21 W				Red.	
		*					44/04
530	<i>Trinidad Head Lighted Whistle Buoy 26</i>	41 03 03 N 124 10 24 W	F I R 6s		4	Red.	
		*					44/04
535	Turtle Rocks Bell Buoy 28	41 08 14 N 124 11 49 W				Red.	
		*					44/04
1505	- Entrance Range Rear Light 506 yards, 353° from front light.		Iso G 6s	55	15	KRW on skeleton tower.	Visible 1.5° each side of rangeline.
	*						44/04
*Delete Heading: *SANTA CRUZ ISLAND TO PURISMA POINT (Chart 18721)							
3805	Cojo Anchorage Special Purpose Buoy						Remove from list.
							* 44/04
*Change Headings to Read: *SANTA CRUZ ISLAND TO PURISMA POINT (Chart 18721) *Gaviota Tanker Mooring							
3810.1	- Buoy A	34 27 48 N 120 12 18 W				White with blue band.	Private aid.
							44/04
5790	MOLATE POINT WHARF SOUTH END LIGHT						Remove from list.
							* 44/04

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5791	<i>Scripps Lighted Research Buoy Station 029</i>						<i>Remove from list.</i>
							* 44/04
5795	MOLATE POINT WHARF NORTH END LIGHT						<i>Remove from list.</i>
							* 44/04
8115	- LIGHT 9	39 25 40 N 123 48 20 W	FI G 2.5s	15	3	SG on post.	
						*	44/04
22478	- Daybeacon 2	56 06 45 N 133 04 06 W				TR on pile.	
		*					44/04
22625	<i>Cemetery Point Lighted Marker Buoys (4)</i>	56 27 27 N 132 23 06 W	FI Y 6s			White spheres.	Private aids.
		*					44/04
23735	- Buoys (about 16) Marks sides of channel from Salmon Creek to Daybeacon 14.						<i>Remove from list.</i>
							* 44/04
<b>*Add Notes:</b>							
<i>*Buoys maintained from Apr. 01 to Oct. 15</i>							
<i>*Positioned to mark best passage. Route requires local knowledge, extreme caution due to shifting shoals.</i>							
*23735.1	- Buoy 9					Green can.	44/04
*23735.2	- Buoy 8A					Red nun.	44/04
*23735.3	- Buoy 9A					Green can.	44/04
*23735.4	- Buoy 8B					Red nun.	44/04
*23735.5	- Buoy 9B					Green can.	44/04
*23735.6	- Buoy 10					Red nun.	44/04
*23735.7	- Buoy 11					Green can.	44/04
*23735.8	- Buoy 10A					Red nun.	44/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*23735.9	- Buoy 11A					Green can.	44/04
*23735.11	- Buoy 10B					Red nun.	44/04
*23735.12	- Buoy 11B					Green can.	44/04
*23735.13	- Buoy 12					Red nun.	44/04
*23735.14	- Buoy 13					Green can.	44/04
*23735.15	- Buoy 12A					Green can.	44/04
*23735.16	- Buoy 13A					Red nun.	44/04
24160	PORT FREDERICK LIGHT 3	58 07 57 N 135 27 55 W	FIG 6s	26	4	SG on skeleton tower.	Obscured from 245° to 357°. Higher intensity beam toward 042°.
		*					44/04
24180	ICY PASSAGE LIGHT 2	58 23 11 N 135 37 43 W	FIR 6s	22	4	TR on skeleton tower.	
		*					44/04
24391	HYDABURG LIGHT 8	55 12 24 N 132 49 04 W	FIR 4s	15	3	TR on pile.	
						*	44/04
24777	North Island Daybeacon	55 57 58 N 133 19 27 W				NR on spindle.	
		*					44/04
<b>Alidale Channel</b>							
24960	TURNING ISLAND LIGHT 11	57 02 36 N 135 20 11 W	FIG 2.5s	16	4	SG on skeleton tower.	Obscured sector from 062° to 153°.
		*					44/04
<b>*Add Notes:</b>							
<i>*Buoys maintained from May 01 to Oct. 01.</i>							
<i>*Positioned to mark best passage. Route requires local knowledge, extreme caution due to shifting shoals.</i>							
*25615.1	- South Channel Buoy 2					Red nun.	44/04
*25615.2	- South Channel Buoy 1A					Green can.	44/04

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*25615.3	- South Channel Buoy 2A					Red nun.	44/04
*25615.4	- South Channel Buoy 3					Green can.	44/04
*25615.5	- South Channel Buoy 4					Red nun.	44/04
*25615.6	- South Channel Buoy 5					Green can.	44/04
*25615.7	- South Channel Buoy 6					Red nun.	44/04
*25615.8	- South Channel Buoy 7					Green can.	44/04
*25615.9	- South Channel Buoy 8					Red nun.	44/04
*25615.11	- South Channel Buoy 9					Green can.	44/04
*25615.12	- South Channel Buoy 10					Red nun.	44/04
*25615.13	- South Channel Buoy 11					Green can.	44/04
*25615.14	- South Channel Buoy 12					Red nun.	44/04
*25615.15	- South Channel Buoy 13					Green can.	44/04
*25615.16	- South Channel Buoy 14					Red nun.	44/04
*25615.17	- South Channel Buoy 16					Green can.	44/04
*25615.18	- South Channel Buoy 18					Red nun.	44/04
25647	<i>NOAA Data Lighted Buoy 46081</i>	60 47 20 N 148 16 28 W	<b>Fl (4) Y 20s</b>			Yellow disc-shaped hull.	44/04
		*					44/04
30460	Kwajalein-Bigel Junction Light N	08 44 19 N 167 43 45 E	<b>Fl (2+1) G 6s</b>	12	4	Green and red bands.	44/04
			*			*	44/04

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**SECTION II**

**CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10436 <i>H 3774</i>	<b>Cape Negro Island.</b>	43° 30.4' N 65° 20.7' W	<b>Fl.(2)W.</b> period 15s	91 28	10	Red and white octagonal tower; 39.	Visible 187°-106°30'. Operates at night only. <b>Horn:</b> 1 bl. ev. 60s (bl. 6s, si. 54s). Emergency light.
					*	*	* 44/04
10452 <i>H 3778</i>	<b>The Salvages.</b>	43° 28.1' N 65° 22.7' W	<b>Fl.W.</b> period 12s fl. 2.5s, ec. 9.5s	51 16	10	Red and white rectangular tower; 39.	Operates at night only. <b>Horn:</b> 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s). Emergency light.
				*	*	*	* 44/04
10508 <i>H 3784</i>	<b>Cape Sable.</b>	43° 23.4' N 65° 37.3' W	<b>Fl.W.</b> period 5s	97 30	18	Red and white octagonal tower; 98.	<b>Horn:</b> 1 bl. ev. 60s. Horn points 150°. Emergency light.
	RACON		<b>C(- - -)</b> period 120s		10		
					*	*	44/04
10700 <i>H 3818</i>	Green Island.	43° 41.4' N 66° 08.6' W	<b>Fl.W.</b> period 5s	82 25	19	White tower; 30.	Operates at night only. <b>Horn:</b> 1 bl. ev. 20s. Emergency light.
					*	*	* 44/04
10728 <i>H 3820</i>	-Cape Forchu, E. cape.	43° 47.6' N 66° 09.4' W	<b>L.Fl.W.</b> period 12s fl. 2s, ec. 10s	114 35	12	Hexagonal tower, red and white stripes; 77.	Operates at night only. Emergency light.
	-RACON		<b>B(- - -)</b> *		*		* 44/04
10948 <i>H 3916</i>	Parkers Cove.	44° 48.8' N 65° 32.3' W	<b>L.Fl.G.</b> period 12s fl. 2s, ec. 10s	20 6	2	Round mast; 21.	Operates at night only.
			*		*	*	* 44/04
11100 <i>H 4082</i>	<b>-Partridge Island.</b>	45° 14.3' N 66° 03.2' W	<b>Fl.W.</b> period 7.5s	116 35	19	Hexagonal tower, red and white stripes; 45.	Emergency light.
					*		44/04
11172 <i>H 4110</i>	<b>Southwest Wolf Island.</b>	44° 56.2' N 66° 44.1' W	<b>Fl.W.</b> period 10s	125 38	7	White round tower; 37.	Operates at night only.
				*	*	*	* 44/04
	GRAND MANAN:						
11360 <i>H 4166</i>	-Long Eddy Point.	44° 48.0' N 66° 47.1' W	<b>Fl.R.</b> period 8s	126 38	14	Red and white rectangular tower; 31.	Operates at night only. <b>Horn:</b> 1 bl. ev. 60s. Horn points 335°. Emergency light.
					*	*	* 44/04

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11400 <i>H 4178</i>	-Long Point, S. extremity of White Head Island.	44° 36.8' N 66° 42.6' W	<b>Iso.W.</b> period 12s	51 <b>16</b>	12	Red and white rectangular tower; 37.	<b>Horn:</b> 1 bl. ev. 20s. Horn points 180°. Emergency light.
					*	*	44/04
11436 <i>H 4186</i>	-Southwest Head, on Gull Cliff.	44° 36.0' N 66° 54.3' W	<b>Fl.W.</b> period 10s	157 <b>48</b>	16	Red and white rectangular tower; 32.	Operates at night only. <b>Horn:</b> 1 bl. ev. 60s. Horn points 240°. Emergency light.
					*	*	* 44/04
SURINAME RIVER:							
17368 <i>J 6870.6</i>	-Approach.	5° 57.4' N 55° 13.0' W	<b>Fl.(2)W.</b> period 15s	23 <b>7</b>	10	Black metal framework tower, white top.	Visible 116°-333°. River marked by buoys and lights. <b>Radiobeacon</b> 7.5 miles SSE.
			*	*			44/04

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3232 <i>K 4649.3</i>	--Boat harbor, E. mole.	21° 08.2' S 175° 11.0' W	<b>Fl.R.</b> period 4s	16 <b>5</b>	2	Red triangular metal tower.	
					*	*	44/04
3234 <i>K 4651</i>	--Piha Passage Range, front.	21° 06.9' S 175° 09.0' W	<b>Q.R.</b>	23 <b>7</b>	4	Aluminum tower.	
				*	*	*	44/04

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3640 <i>F 7055.2</i>	Kyuroku Shima.	40° 32.0' N 139° 29.9' E	<b>Fl.W.</b> period 8s	66 <b>20</b>	7	White round concrete tower; 62.	
		*			*		44/04
*16726.5 <i>F 4374.123</i>	Gwangandaero Bridge.	35° 09.3' N 129° 08.2' E	<b>Fl.(4)G.</b> period 8s	67 <b>20</b>	5		
							44/04
COLUMBO HARBOR:							
27302	-Approach buoy "2".	6° 58.3' N 79° 50.1' E	<b>Fl.(2+1)R.</b> period 10s			PORT (A) RGR, pillar, topmark.	
	-RACON		<b>B(-...)</b>				* 44/04

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### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1914 <i>D 1526.2</i>	-Marina GETXO, breakwater, head.	43° 20.2' N 3' 01.0' W	<b>Q.R.</b>	16 5	1	Red column; 13.	
							44/04
RIA DE VIGO:							
2904 <i>D 1874</i>	-Punta Robaleira, Cabo del Home, N. entrance to bay.	42° 15.0' N 8' 52.4' W	<b>Fl.(2)W.R.</b> period 7.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5s	89 27	W. 11 R. 9	Red tower; 19.	W. 300°30'-321°30', R.-090°, obsc.-115°30', R.-170°30'.
	-RACON		<b>C(- · - ·)</b>				(3 & 10 cm)
	*		*	*		*	* 44/04
4088 <i>D 2409</i>	-Digue de Poniente, head.	36° 10.8' N 5' 55.5' W	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s	39 12	5	Red truncated conical tower; 7.	
			*			*	44/04
4092 <i>D 2410</i>	-Contradique, head.	36° 11.0' N 5' 55.8' W	<b>Fl.(2)G.</b> period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	2	Green conical tower; 7.	
			*			*	44/04
4104 <i>D 2411</i>	Rio Barbate Range, front, 2 km. 113°30' from Barbate.						<i>Remove from list.</i>
							* 44/04
4108 <i>D 2411.1</i>	-Rear, 70 meters 058°30' from front.						<i>Remove from list.</i>
							* 44/04
4116 <i>D 2414</i>	<b>Tarifa.</b>	36° 00.1' N 5' 36.5' W	<b>Fl.(3)W.R.</b> period 10s	134 41	W. 26 R. 18	White tower; 107.	W. 113°-089°, R.-113°. <b>Siren:</b> 3 bl. ev. 60s (bl. 5s, si. 3s, bl. 5s, si. 3s, bl. 5s, si. 39s). <b>DGPS Station.</b>
	RACON		<b>C(- · - ·)</b>		20		(3 & 10cm)
					*		* 44/04
4118 <i>D 2415</i>	-Lado E.	36° 00.3' N 5' 36.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	3	Red tower; 7.	
			*			*	44/04
4120 <i>D 2418</i>	Puerto de Tarifa, No. "1" mole.	36° 00.6' N 5' 36.1' W	<b>Fl.(2)R.</b> period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 5.5s	23 7	1	Red lantern on white hut; 13.	
	*		*			*	* 44/04
4122 <i>D 2418.3</i>	-Inner spur, head.						<i>Remove from list.</i>
							* 44/04

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### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4124 <i>D 2416</i>	-E. mole, head.	36° 00.5' N 5° 36.1' W	<b>Fl.G.</b> period 5s	36 11	5	Green truncated pyramidal support; 16.	Visible 249°-045°.
						*	* 44/04
TARRAGONA:							
5652 <i>E 0388</i>	-Dique de Levante.	41° 05.3' N 1° 13.6' E	<b>Oc.W.</b> period 3s lt. 2s, ec. 1s	89 27	1	Gray hexagonal tower above hut on pylons; 59.	F.R. lights on silo 550 meters ENE. and chimney 1.8 km. WNW.
					*	*	44/04
5660 <i>E 0388.4</i>	-Muelle de Aragon.	41° 06.0' N 1° 14.1' E	<b>Fl.(4)G.</b> period 11s	23 7	3	Green post; 13.	
						*	44/04
5662 <i>E 0388.2</i>	-Muelle de Cataluna, NE. corner.	41° 05.7' N 1° 13.7' E	<b>Fl.(3)G.</b> period 9s	26 8	1	Green post; 13.	
					*		44/04
5664 <i>E 0393</i>	-Contradique, E. corner.	41° 06.0' N 1° 13.7' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	23 7	3	Red and white checkered metal framework tower; 16.	
			*		*	*	44/04
TARRAGONA:							
5689 <i>E 0392.3</i>	-Outer breakwater.	41° 06.3' N 1° 15.1' E	<b>Fl.(2)G.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	5	Green post; 10.	
					*		44/04
RADA DI VADO:							
7408 <i>E 1175.1</i>	-Vado Ligure.	44° 15.8' N 8° 26.6' E	<b>Iso.G.</b> period 2s	65 20	2	Post, black and red bands; 65.	At night, in line with Pontile. Private light.
			2 F.R. (vert.)	58 18			Formicoke Light, leads to Pontile Shell. * 44/04
7416 <i>E 1182.3</i>	-Oil terminal.	44° 16.7' N 8° 27.6' E	<b>Fl.Y.</b> period 3s	16 5	2	Yellow mast; 13.	Private light.
						*	* 44/04
7420 <i>E 1175</i>	-Pontile Formicoke.	44° 16.0' N 8° 26.9' E	3 F.R.W.R. (vert.)	38 12 33 10 26 8	W. R. 5 3	White mast, red bands.	Private light.
			*	*	*	*	* 44/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7448 <i>E 1185</i>	-Pontile Enel.	44° 16.5' N 8° 26.9' E	2 F.G. (horiz.)	33 10	3	Green mast; 23.	Private light.  * 44/04
7452 <i>E 1185.2</i>	-N. corner.	44° 16.6' N 8° 26.8' E	2 F.R. (horiz.)	33 10	3	Red mast; 23.  *	Private light.  * 44/04
7476 <i>E 1182</i>	-Rear, 650 meters 264° from front.	44° 16.3' N 8° 26.4' E	Fl.G. period 3s fl. 1s, ec. 2s  2 F.G. (vert.)	    *  *	3   3  *	Green post; 66.   *	Occasional. Private light.   * 44/04
7492 <i>E 1194</i>	-Mole Frangiflutti, head.	44° 18.9' N 8° 30.2' E	F.R.	26 8  *	5	Red column; 16.  *	   44/04
7496 <i>E 1197</i>	-Molo Miramare, head.	44° 18.8' N 8° 29.5' E	2 F.G. (vert.)	36 11 33 10	3   *	Green column; 26.   *	   44/04
MALTA:							
10524 <i>E 2055.5</i>	-Cirkewwa, ro-ro terminal, head.	35° 59.4' N 14° 19.8' E	F.I.R. period 2s  *                    *	33 10  *	2	Concrete column.	   44/04
SHENGJIN:							
14280 <i>E 3702</i>	-Kep i Shengjinit.	41° 48.7' N 19° 35.1' E	F.I.R. period 5s fl. 0.5s, ec. 4.5s	79 24	10	Pile on roof of building; 59.  *	   44/04
14282 <i>E 3702.5</i>	-Mali Renzit.	41° 49.2' N 19° 34.3' E	Fl.(2)W. period 8s	157 48	10	Square hut; 10.  *	   44/04
14284 <i>E 3703</i>	-Entrance Range, front.	41° 48.9' N 19° 35.3' E	F.I.R. period 6s fl. 0.5s, ec. 5.5s	39 12	5	White framework mast.  *	   44/04
14288 <i>E 3703.1</i>	-Rear, 75 meters 002° from front.	41° 48.9' N 19° 35.3' E	F.I.R. period 5s  *                    *	49 15	5	White framework mast.  *	   44/04
14300 <i>E 3708</i>	-Kep i Palit.	41° 24.8' N 19° 23.6' E	F.I.W.R. period 10s	108 33  *	10	Green stone tower; 10.  *	R. 140°-160°, W.-140°.   44/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SHENGJIN:							
14328 <i>E 3723</i>	-Ishull i Sazanit.	40° 30.3' N 19° 16.1' E	<b>Fl.W.</b> period 10s	633 <b>193</b>	12	Round tower and dwelling; 39.	Visible 340°-197°.
					*	*	44/04
14336 <i>E 3726</i>	-S. mole.	40° 30.1' N 19° 17.4' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s		4	White pyramid, octagonal base; 23.	
				*			44/04
14337 <i>E 3726.5</i>	-Kepi i Jugor.	40° 28.5' N 19° 17.2' E	<b>Fl.W.</b> period 6s	59 <b>18</b>	6	Metal framework on stone tower; 26.	
						*	44/04
14338 <i>E 3732.5</i>	-Kepi Gjuhezes.	40° 25.3' N 19° 17.6' E	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	190 <b>58</b>	11	White post and bunker; 154.	
						*	44/04
GJI I VLORES:							
14340 <i>E 3728</i>	-Kep i Gallovecit, entrance, S. side.	40° 26.2' N 19° 19.5' E	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	59 <b>18</b>	5	Metal column, black stripe, white double square daymark; 23.	Visible 095°-290°.
			*				44/04
14348 <i>E 3729</i>	-E. mole, head.	40° 27.0' N 19° 28.8' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	26 <b>8</b>	3	White tower; 20.	
			*	*		*	44/04
14350 <i>E 3729.1</i>	-W. mole, head.	40° 27.0' N 19° 28.9' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	33 <b>10</b>	3	White tower; 26.	
			*	*		*	44/04
16132 <i>E 4818</i>	-Pier, jetty, head.	35° 12.0' N 25° 43.0' E	<b>Fl.R.</b> period 2s fl. 0.8s, ec. 1.2s	33 <b>10</b>	7	Concrete column on hexagonal pedestal, red band; 19.	
			*			*	44/04
16136 <i>E 4819</i>	-Nisis Konidha.	35° 08.0' N 25° 49.0' E	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	82 <b>25</b>	4	White round hut, metal framework; 16.	
						*	44/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ORMOS SITIAS:							
16140 <i>E 4820</i>	-Akra Vamvakia.	35° 13.0' N 26° 08.0' E	<b>Fl.(3)W.</b> period 18s fl. 0.8s, ec. 2s fl. 0.8s, ec. 2s fl. 0.8s, ec. 11.6s	72 22	10	Metal framework; 16.	
						*	44/04
16144 <i>E 4821</i>	-Limin Sitia, mole, head.	35° 12.8' N 26° 06.8' E	<b>Fl.G.</b> period 2s fl. 0.4s, ec. 1.6s	30 9	5	Column with gallery on white hexagonal hut, green band; 26.	
				*			44/04
16145 <i>E 4822</i>	-N. mole, head.	35° 12.6' N 26° 06.7' E	<b>F.G.</b>	26 8	3	White metal column, green band.	
				*			44/04
16310 <i>E 4369</i>	-Ormos Megalo Vathi, pier, head.	38° 25.2' N 23° 35.7' E	<b>2 F.R.</b> (vert.)	20 6		Column; 13.	Private light.
				*		*	* 44/04
16311 <i>E 4369.4</i>	-Khalkidha Shipyard, pier, head.	38° 25.0' N 23° 36.0' E	<b>3 F.R.</b> (vert.)	23 7	3	White metal mast, red band; 16.	1 meter apart. Private light.
						*	* 44/04
16312 <i>E 4368</i>	-Nisis Passas.	38° 25.7' N 23° 37.0' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	30 9	5	White square hut, metal framework; 18.	Visible 313°-168°.
						*	44/04
16317 <i>E 4372</i>	-Dhivlos Steno, pier, head.	38° 27.0' N 23° 36.0' E	<b>2 F.G.</b> (vert.)	20 6	3	White metal column; 13.	1 meter apart.
						*	44/04
16324 <i>E 4375</i>	-Ikhinos Scala, strail, N. entrance, W. side.	38° 28.0' N 23° 35.0' E	<b>Fl.G.</b> period 2s fl. 0.3s, ec. 1.7s	26 8	3	White hexagonal hut, column, green band; 20.	
						*	44/04
16332 <i>E 4380</i>	-Nea Artaki.	38° 30.8' N 23° 37.7' E	<b>Fl.W.</b> period 1.5s fl. 0.3s, ec. 1.2s	30 9	5	White hexagonal hut, column; 19.	
						*	* 44/04
16532 <i>E 4445.5</i>	-Mamidhakis, pier, head.	39° 18.0' N 22° 54.0' E	<b>2 F.R.</b> (vert.)	20 6	3	White metal column, red band; 16.	1 meter apart. Private light.
						*	* 44/04
16536 <i>E 4445.7</i>	-Iraklis Volou, W. of pier, head.	39° 18.0' N 22° 56.0' E	<b>2 F.R.</b> (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart.
						*	44/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16540 <i>E 4445.75</i>	-E. of pier, head.	39° 17.8' N 22° 56.3' E	2 F.R. (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart. Private light.
						*	* 44/04
	-Kolpos Volos:						
16544 <i>E 4446</i>	-Akra Sesklo.	39° 20.6' N 22° 56.6' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	69 21	7	White square hut, metal framework; 26.	
			*		*	*	* 44/04
16548 <i>E 4449</i>	-Limin Volou, oil installation pier, head.	39° 21.0' N 22° 59.3' E	3 F.G. (vert.)	30 9	3	White metal column, green band; 22.	1 meter apart. Private light.
						*	* 44/04
16552 <i>E 4449.4</i>	-Tsimenta, pier, head.	39° 21.0' N 22° 59.0' E	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	59 18	12	White hexagonal hut, column and gallery; 26.	
				*		*	44/04
16554 <i>E 4448</i>	-Anavros River.	39° 22.0' N 22° 57.9' E	FL.Y. period 2s fl. 0.3s, ec. 1.7s	23 7	4	White metal framework; 18.	
						*	44/04
16836 <i>E 4554</i>	Alexandroupolis.	40° 51.0' N 25° 53.0' E	Fl.(3)W. period 15s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 9.6s	102 31	24	Round tower on house; 88.	
						*	* 44/04
20032 <i>E 4666</i>	-Akra Kotzikas.	37° 47.2' N 26° 57.1' E	Fl.(2)W. period 7.2s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.7s	200 61	7	Concrete tower; 13.	
			*				44/04
20076 <i>E 4693</i>	-Vrakhonisis Evdhilos.	37° 38.4' N 26° 11.7' E	Fl.W. period 7.5s fl. 0.6s, ec. 6.9s	62 19	11	Metal column on round hut; 18.	Visible 100°-314°.
				*		*	44/04
*21273 <i>E 7700</i>	Mari-B.	31° 44.1' N 34° 17.7' E	Mo.(U)W.			Platform.	Horn: Mo.(U).
							44/04

### CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
390	Tarifa Light Station						<i>Remove from list.</i>
							* 44/04

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
KOL'SKIY ZALIV:							
15053 <i>L 6249</i>	-Birin.	69° 13.0' N 33° 19.8' E	<b>F.W.R.</b>		W. 7 R. 3		W. 247°30'-256°30', R.- 247°30'.
*	*						* 44/04
16216 <i>L 7096</i>	-Mgla, on Mys Vzglav'ye.						<i>Remove from list.</i>  *

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GOTEBORG APPROACH:							
1024 <i>C 0569</i>	-Trubaduren.	57° 35.7' N 11° 38.0' E	<b>L.FI.(3)W.R.G.</b> period 30s fl. 3s, ec. 3.5s fl. 3s, ec. 3.5s fl. 3s, ec. 14s	79 24	W. 20 R. 18 G. 17	Black tower, orange top on gray base; 84. Floodlit. Helicopter platform.	W. 005°30'-112°, R.-163°30', G.-214°24', W.-237°12', R.- 247°30', G.-005°30'.
	-RACON		<b>T(-)</b> period 30s		14		
		*	*	*	*		* 44/04
1064 <i>C 0570</i>	-Buskars Knot.	57° 38.3' N 11° 41.0' E	<b>Fl.(3)W.R.G.</b> period 9s	39 12	W. 8 R. 5 G. 4	Orange tower; 38. Floodlit.	W. 012°-029°30', R.-088°, G.- 179°48', W.-193°, R.-350°06', G.-012°.
	-RACON		<b>K(- -)</b> period 30s		5		
							* 44/04
1088 <i>C 0573</i>	-Gaveskar.	57° 39.7' N 11° 46.1' E	<b>Q.R.</b>	33 10		White tower; 32. Floodlit.	
			*		*		* 44/04
1136 <i>C 0584</i>	-Carnegieska Bruket Range, front, on bridge.						<i>Remove from list.</i>  *
							* 44/04
1140 <i>C 0584.1</i>	-Rear, 1.2 km., 079°36' from front.						<i>Remove from list.</i>  *
							* 44/04
12484 <i>C 3611</i>	-E. mole, head.	58° 22.0' N 24° 27.9' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	1	White column, green band, concrete base; 10.	<b>Radar reflector.</b>
		*				*	* 44/04
12488 <i>C 3611.5</i>	-W. mole, head.	58° 22.1' N 24° 27.7' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	1	White column, red band, concrete base; 10.	
			*			*	* 44/04

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**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 44/04**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.
<b>DISTANCES BETWEEN PORTS</b>		
NVPUB151	2001	4/02*
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N23/91*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00;16/04
<b>NOS TIDE TABLES</b>		
NOSPBTTWCWPCIN4	2004	N1/04*
NOSPBTTTECSTNSA4	2004	N1/04*
NOSPBTTTEURAFR4	2004	N1/04*
NOSPBTTWCSTNSA4	2004	N1/04*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCATCSTN4	2004	N1/04*
NOSPBCTPACAS4	2004	N1/04*

**BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

**NAVAREA IV**

Messages in force 141100Z October 2004:

2003 series	128(26)	310(28)	329(11,26)	343(GEN)
108(26,27)	198(11)	323(11)	333(GEN)	344(GEN)
2004 series	243(GEN)	328(GEN)	342(11)	

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**NAVAREA IV WARNINGS issued from 061000Z to 141100Z October 2004.**

337/04 thru 341/04. CANCELED.

342/04(11). GULF OF MEXICO.  
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS VANTAGE TOWING EIGHT 8500 METER LONG  
CABLES IN AREA BOUND BY  
26-50N 090-45W, 27-42N 090-45W,  
28-03N 089-45W, 27-20N 089-25W.  
SIX MILE BERTH REQUESTED.

(112234Z OCT 2004)

343/04(GEN). GPS SATELLITE SYSTEM.  
1. PRN 04 UNUSABLE 151430Z TO 160230Z OCT.  
2. CANCEL THIS MSG 160330Z OCT.

(121153Z OCT 2004)

344/04(GEN).  
1. NAVAREA IV MESSAGES IN FORCE 130800Z OCT 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 310(28), 323(11), 328(GEN), 329(11,26),  
333(GEN), 341(28), 342(11), 343(GEN), 344(GEN).  
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003  
IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.  
3. CANCEL NAVAREA IV 338/04.

(131128Z OCT 2004)

**SECTION III  
HYDROLANTS**

**NM 44/04**

Messages in force 141100Z October 2004:

2002 series	2416(54)	1104(37,43)	1474(36)	1600(38)	1651(37)
245(GEN)	2418(52)	1136(37,43)	1504(37)	1602(55)	1654(54)
246(GEN)	2419(54)	1162(36)	1505(37)	1604(54)	1655(36)
2003 series	2420(54)	1214(36)	1510(54)	1607(53)	1656(GEN)
604(26,27)	2004 series	1219(35)	1513(56)	1613(57)	1657(36,37)
1422(53)	224(24)	1235(37,51)	1525(53,54)	1618(52,53)	1658(GEN)
1472(35)	272(24)	1256(37)	1526(36)	1624(37)	1659(57)
2203(53)	631(37)	1279(36)	1530(55)	1627(56)	1660(GEN)
2406(54)	649(55)	1286(36)	1556(54)	1636(53)	1661(56)
2407(54)	650(55)	1382(43)	1569(22)	1639(51)	1662(24)
2408(54)	668(56)	1389(53)	1581(24)	1642(24)	1663(53)
2409(54)	850(24)	1404(52)	1584(52,53)	1643(52)	1664(53)
2410(54)	1019(24)	1430(51)	1586(53)	1646(53)	1665(52,53)
2413(54)	1033(37)	1450(37)	1591(54)	1647(37)	1666(24)
2414(54)	1084(53,56)	1454(35)	1598(52,53)	1648(24)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**HYDROLANT WARNINGS issued from 061000Z to 141100Z October 2004.**

1632/04 thru 1635/04. CANCELED.

1636/04(53). SICILIA-SOUTH COAST.

1. OCEANOGRAPHIC SURVEY IN PROGRESS UNTIL  
20 OCT BY M/V DELLA PORTA IN AREA BOUND BY  
37-49N 012-25E, 37-23N 012-08E,  
37-11N 012-38E, 37-17N 013-01E,  
36-51N 013-51E, 36-50N 014-06E,  
36-15N 014-25E, 36-03N 014-00E,  
35-37N 014-27E, 35-19N 015-02E,  
35-28N 015-28E, 37-06N 015-27E,  
37-06N 015-16E.  
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 21 OCT.

(081220Z OCT 2004)

1637/04 and 1638/04. CANCELED.

1639/04(51). SOUTH ATLANTIC.

1. DERELICT 33 FOOT VESSEL ADRIFT  
VICINITY 10-30N 016-44W  
AT 081745Z OCT.
2. CANCEL THIS MSG 15 OCT.

(081911Z OCT 2004)

1640/04 and 1641/04. CANCELED.

1642/04(24). BRAZIL-NORTH COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1600Z TO 2100Z DAILY 14 THRU 22 OCT:  
A. IN AREA BOUND BY 01-00S 43-50W, 01-35S 043-17W,  
00-18S 042-00W, 00-14S 042-35W.  
B. WITHIN SIX MILES OF 02-19S 044-22W.
2. CANCEL THIS MSG 222200Z OCT.

(091347Z OCT 2004)

1643/04(52). NORTH AFRICA TO LAMPEDUSA ISLAND.

VESSEL ADRIFT BETWEEN NORTH AFRICA AND LAMPEDUSA ISLAND.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,  
TELEX: 4361 1172, PHONE: 390 6592 4145, FAX: 390 6592 2737.

(091411Z OCT 2004)

1644/04 and 1645/04. CANCELED.

1646/04(53). TYRRHENIAN SEA.

1. FIVE METER M/V, GREY HULL, THREE PERSONS ON BOARD,  
UNREPORTED ISOLA DI CAPRAIA TO CORSE. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO MRCC ROME, TELEX: 4361 1172,  
4361 4156, PHONE: 3906 5908 4527, FAX: 3906 5908 4793.
2. CANCEL HYDROLANT 1640/04(24).

(100009Z OCT 2004)

- 1647/04(37). BAY OF BISCAY.  
 1. NUMEROUS CONTAINERS ADRIFT VICINITY 46-32N 008-23W  
 AT 091800Z OCT.  
 2. CANCEL THIS MSG 16 OCT. (100845Z OCT 2004)
- 1648/04(24). BRAZIL-SOUTH COAST.  
 1. SEISMIC SURVEY 110300Z TO 150259Z OCT  
 BY M/V CGG SYMPHONY TOWING EIGHT 6000  
 METER LONG CABLES IN AREA BETWEEN  
 25-25S 23-50S AND 041-10W 040-25W.  
 FOUR MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 150359Z OCT. (110453Z OCT 2004)
- 1649/04 and 1650/04. CANCELED.
- 1651/04(37). NORTH SEA.  
 CHART 37058 (0 ED).  
 3.5 METER SHOAL IN 52-41.77N 001-46.04E. (111311Z OCT 2004)
- 1652/04 and 1653/04. CANCELED.
- 1654/04(54). EASTERN MEDITERRANEAN SEA.  
 DISTRESS SIGNAL RECEIVED FROM 18.5 METER M/V HUSEIN,  
 42 PERSONS ON BOARD, IN 34-50N 022-30E ON 11 OCT.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC PIRAEUS. (121127Z OCT 2004)
- 1655/04(36). IRISH SEA.  
 SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER  
 NOTICE NY M/V DSV NOORDHOEK TOWING EQUIPMENT  
 WITHIN TWO MILES OF 51-59N 005-52W. (121145Z OCT 2004)
- 1656/04(GEN). GPS SATELLITE SYSTEM.  
 1. PRN 04 UNUSABLE 151430Z TO 160230Z OCT.  
 2. CANCEL THIS MSG 160330Z OCT. (121155Z OCT 2004)
- 1657/04(36,37). ENGLAND-SOUTHWEST COAST.  
 UNDERWATER OPERATIONS IN PROGRESS  
 UNTIL FURTHER NOTICE BY M/V ATLANTIC  
 GUARDIAN VICINITY 50-16.4N 006-00.7W. (121335Z OCT 2004)
- 1658/04(GEN). EUROPE-NORTHWEST COAST.  
 1. LORAN-C STATION LESSAY, RATES 6371-X, 6371-Z  
 AND 7499-X, OFF AIR 150600Z TO 151200Z OCT.  
 2. CANCEL THIS MSG 151300Z OCT. (130730Z OCT 2004)
- 1659/04(57). MORTH ATLANTIC.  
 MAN OVERBOARD FROM F/V CAP SAINT PAUL VICINITY  
 OF TRACKLINE BETWEEN 03-06N 001-10W AND 03-51N 003-16W.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,  
 TELEX: 42134002, PHONE: 333 2187 2187, FAX: 333 2187 7855. (130846Z OCT 2004)
- 1660/04(GEN).  
 1. HYDROLANT MESSAGES IN FORCE 130800Z OCT 2004. ONLY THOSE  
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
 2004 SERIES: 1430(51), 1450(37), 1454(35), 1474(36), 1504(37),  
 1505(37), 1510(54), 1513(56), 1525(53,54), 1526(36), 1530(55),  
 1556(54), 1569(22), 1581(24), 1582(24), 1584(52,53), 1586(53),  
 1589(55), 1591(54), 1598(52,53), 1600(38), 1602(55), 1604(54),  
 1607(53), 1613(57), 1616(54), 1618(52,53), 1624(37), 1627(56),  
 1628(52), 1630(24), 1632(24), 1636(53), 1639(51), 1641(24),  
 1642(24), 1643(52), 1646(53), 1647(37), 1648(24), 1651(37),  
 1652(24), 1654(54), 1655(36), 1656(GEN), 1657(36,37), 1658(GEN),  
 1659(57), 1660(GEN).  
 2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003  
 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE  
 SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.  
 3. CANCEL HYDROLANT 1425/04, 1544/04, 1633/04. (131131Z OCT 2004)

SECTION III

NM 44/04

- 1661/04(56). EASTERN MEDITERRANEAN SEA.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 20 NOV BY M/V  
YEDMAN TOWING 2000 METER LONG CABLE IN AREA BETWEEN  
31-38N 31-33N AND 32-17E 32-23E.  
2. CANCEL THIS MSG 21 NOV. (131236Z OCT 2004)
- 1662/04(24). BRAZIL-EAST COAST.  
1. OCEANOGRAPHIC OPERATIONS 12 THRU 14 OCT  
BY M/V OCEAN SURVEYOR TOWING 84 METER  
LONG CABLE IN AREA BOUND BY  
11-08.45S 036-59.48W, 11-10.80S 037-05.22W,  
11-08.50S 037-05.22W, 11-04.77S 036-59.48W.  
2. CANCEL HYDROLANT 1652/04.  
3. CANCEL THIS MSG 15 OCT. (131307Z OCT 2004)
- 1663/04(53). SICILIA-SOUTH COAST. GUNNERY.  
1. GUNNERY EXERCISES 150600Z TO 151400Z OCT  
IN AREA BETWEEN 37-11N 36-51N AND  
15-25E 15-53E.  
2. CANCEL THIS MSG 151500Z OCT. (131710Z OCT 2004)
- 1664/04(53). EASTERN MEDITERRANEAN SEA.  
1. DERELICT NINE METER VESSEL, BLUE HULL,  
ADRIFT IN 35-09.9N 012-59.1E.  
2. CANCEL HYDROLANT 1628/04(52).  
3. CANCEL THIS MSG 20 OCT. (131717Z OCT 2004)
- 1665/04(52,53). STRAIT OF SICILY.  
1. SURVEY OPERATIONS 16 THRU 26 OCT BY  
M/V UNIVERSITATIS IN AREAS BOUND BY  
A. 38-08.50N 013-29.00E,  
38-08.45N 013-33.50E,  
38-18.50N 013-33.50E,  
38-18.30N 013-20.00E.  
B. 38-07.30N 012-50.07E,  
38-12.50N 013-04.00E,  
38-23.30N 013-04.00E,  
38-23.30N 012-46.30E,  
38-13.50N 012-46.30E.  
C. 37-51.50N 012-10.10E,  
37-51.30N 012-15.50E,  
38-00.20N 012-12.45E,  
38-04.00N 012-12.10E,  
38-04.00N 012-07.30E,  
38-01.55N 012-03.05E,  
37-57.00N 012-08.55E.  
D. 38-03.00N 012-01.50E,  
37-59.50N 011-59.00E,  
37-55.40N 012-01.00E,  
37-56.10N 012-07.25E,  
38-01.20N 012-04.20E.  
E. 38 46,50N 013 08,10E,  
38-46.50N 013-13.10E,  
38-41.20N 013-17.20E,  
38-37.50N 013-13.30E,  
38-38.30N 013-08.35E,  
38-42.30N 013-02.00E.  
2. CANCEL THIS MSG 27 OCT. (131741Z OCT 2004)
- 1666/04(24). BRAZIL-NORTH COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 190259Z OCT  
BY M/V CGG ALIZE TOWING 8000 METER LONG CABLE IN  
AREA BOUND BY 04-13.5N 049-23.1W, 04-27.2N 049-11.5W,  
04-16.4N 049-59.0W, 04-03.0N 049-10.3W.  
SIX MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 190359Z OCT. (140548Z OCT 2004)

SECTION III

NM 44/04

NAVAREA XII

Messages in force 141100Z October 2004:

2004 series	253(19)	260(18)	262(GEN)
186(17)	258(19)	261(GEN)	

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

NAVAREA XII WARNINGS issued from 061000Z to 141100Z October 2004.

258/04(19). NORTH PACIFIC. HAWAII. RADIO SERVICES.  
U.S. COAST GUARD STATION HONOLULU SITOR OFF AIR.

(061023Z OCT 2004)

259/04. CANCELED.

260/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

- |                    |  |
|--------------------|--|
| A. 34-02N 119-04W. | M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL |
| B. 33-52N 119-06W. | TO THE SHORELINE.                                |
| C. 33-29N 119-07W. | N. 34-24N 120-30W.                               |
| D. 33-29N 118-37W. | O. 34-08N 120-26W.                               |
| E. 33-20N 118-37W. | P. 34-08N 119-40W.                               |
| F. 32-11N 120-16W. | Q. 34-00N 119-40W.                               |
| G. 31-54N 121-35W. | R. 34-06N 119-13W.                               |
| H. 35-09N 123-39W. | S. 34-06N 119-11W.                               |
| I. 35-29N 123-00W. | T. 34-07N 119-10W.                               |
| J. 35-04N 122-43W. | U. 34-07N 119-07W.                               |
| K. 35-57N 121-32W. | V. 34-04N 119-04W.                               |
| L. 34-59N 120-42W. |  |

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 254/04.

(111729Z OCT 2004)

261/04(GEN). GPS SATELLITE SYSTEM.  
1. PRN 04 UNUSABLE 151430Z TO 160230Z OCT.  
2. CANCEL THIS MSG 160330Z OCT.

(121157Z OCT 2004)

262/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 130800Z OCT 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 253(19), 258(19), 260(18), 261(GEN), 262(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.
3. CANCEL NAVAREA XII 259/04.

(131135Z OCT 2004)

**SECTION III  
HYDROPACS**

**NM 44/04**

Messages in force 141100Z October 2004:

2001 series	801(61)	1124(74)	1449(61)	1522(62)	1592(96)
1976(62)	840(63)	1138(75)	1450(61)	1525(22)	1594(62)
2002 series	890(71)	1151(63)	1453(63)	1528(62)	1597(71)
205(GEN)	891(71)	1152(63)	1455(63)	1529(74)	1598(83)
206(GEN)	904(63)	1153(63,71)	1458(62)	1533(71,93)	1599(63)
2003 series	932(22)	1155(63)	1461(63)	1538(95)	1600(63)
207(62)	948(96)	1156(63)	1468(71)	1539(35)	1601(95)
506(62)	967(74)	1157(75)	1469(83)	1540(97)	1602(93)
993(62)	981(74)	1215(63)	1470(76)	1541(95)	1603(83)
1041(71)	988(63)	1238(81,92)	1471(75)	1542(95)	1604(74)
1330(62)	996(94,95)	1239(81,92)	1472(74)	1547(74)	1605(81)
1395(62)	1000(63)	1254(62)	1475(22)	1548(71)	1606(81)
1699(63)	1011(62)	1271(63)	1478(61)	1549(95)	1607(63)
1911(62)	1025(74)	1273(63)	1481(96)	1550(95)	1608(63)
1982(GEN)	1033(62)	1295(71)	1482(83)	1551(96)	1610(76)
2265(62)	1049(61)	1305(63)	1490(63)	1552(61)	1611(62)
2004 series	1050(74)	1313(83)	1491(63)	1553(61)	1612(62)
23(62)	1052(74)	1324(73)	1495(74)	1559(97)	1613(GEN)
278(63)	1066(62)	1349(63)	1497(75)	1563(83)	1615(GEN)
455(73)	1076(74)	1352(76)	1498(83)	1565(22)	1616(63)
694(62)	1081(74)	1363(96)	1499(83)	1569(63)	1617(75)
727(22)	1084(62)	1365(75)	1501(74)	1575(93)	
754(62)	1092(63)	1390(63)	1507(74)	1576(75)	
763(62)	1112(74)	1399(71)	1508(76)	1577(76)	
778(75)	1115(63)	1400(74)	1509(76)	1588(74)	
795(62)	1123(63)	1409(63)	1514(62)	1589(62)	

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**HYDROPAC WARNINGS issued from 061000Z to 141100Z October 2004.**

1590/04 and 1591/04. CANCELED.

1592/04(96). ZALIV CHIKHACHEVA.

1. UNDERWATER OPERATIONS THRU 31 OCT  
ALONG TRACKLINE BETWEEN 52-05.1N 141-20.9E  
AND 52-06.0N 141-38.0E
2. CANCEL THIS MSG 01 NOV.

(062055Z OCT 2004)

1593/04. CANCELED.

1594/04(62). RED SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0300Z TO 0500Z DAILY 08 THRU 16 OCT  
IN AREA BOUND BY 25-39.0N 036-01.0E, 25-50.0N 036-31.0E,  
24-18.5N 037-31.0E, 24-10.0N 036-50.0E.
2. CANCEL THIS MSG 160600Z OCT.

(070947Z OCT 2004)

1595/04 and 1596/04. CANCELED.

1597/04(71). MALACCA STRAIT.

CHART 71285 (3RD ED).  
DANGEROUS WRECK VICINITY 02-56.5N 100-50.5E.

(080840Z OCT 2004)

1598/04(83). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN  
09-13.8N 157-31.8E AT 081035Z OCT.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO USCG GUAM.

(081318Z OCT 2004)

1599/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z  
DAILY 12 AND 15 OCT IN AREA BOUND BY  
09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 151630Z OCT.

(081354Z OCT 2004)

1600/04(63). INDIA-EAST COAST.

1. CABLE OPERATIONS 11 OCT THRU 06 NOV  
BY M/V SINDHU IN AREA BOUND BY  
13-01.5N 080-17.0E, 13-01.5N 080-19.5E,  
12-59.0N 080-19.5E, 12-59.0N 080-16.5E.
2. CANCEL THIS MSG 07 NOV.

(081358Z OCT 2004)

1601/04(95). SEA OF JAPAN.

DISTRESS SIGNAL RECEIVED FROM F/V KURILY IN  
39-35N 132-00E AT 081717Z OCT. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC VLADIVOSTOK,  
PHONE: 7 4232 495522, FAX: 7 4232 495895.

(082152Z OCT 2004)

1602/04(93). SOUTH CHINA SEA.

SEISMIC SURVEY 11 OCT UNTIL FURTHER NOTICE  
BY M/V GECO EAGLE TOWING EIGHT FOUR MILE LONG  
CABLES IN AREA BOUND BY 04-25N 104-45E,  
04-17N 105-04E, 03-20N 104-40E, 03-28N 104-21E.

(090923Z OCT 2004)

1603/04(83). CHUUK ATOLL TO LOSAP ATOLL.

VESSEL OVERDUE WENO ISLAND TO NAMA ISLAND, EIGHT  
PERSONS ON BOARD. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS  
TO RCC GUAM, PHONE: 671 339 6100, FAX: 671 339 6210.

(111038Z OCT 2004)

1604/04(74). AUSTRALIA-NORTHEAST COAST.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ  
VICINITY 14-16S 144-23E AT 102127Z OCT.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC AUSTRALIA, TELEX: 7162025,  
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(111341Z OCT 2004)

1605/04(81). NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 160001Z TO 160200Z OCT IN AREA BOUND BY  
13-20N 154-52E, 12-02N 155-18E,  
12-47N 157-45E, 14-04N 157-20E.
  - B. 180001Z TO 180200Z OCT IN AREA BOUND BY  
16-46N 167-22E, 17-21N 169-54E,  
16-03N 170-14E, 15-27N 167-42E.
2. CANCEL THIS MSG 180300Z OCT.

(111703Z OCT 2004)

1606/04(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED VICINITY 09-05S 132-25E AT  
112130Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC  
AUSTRALIA, TELEX: 7162025, PHONE: 612 6230 6811,  
FAX: 612 6230 6868.

(120317Z OCT 2004)

1607/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY  
14 THRU 21 OCT IN AREA BETWEEN  
15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL THIS MSG 211330Z OCT.

(120403Z OCT 2004)

1608/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY  
13 AND 14 OCT WITHIN 75 MILES OF  
08-31.9N 076-52.1E.
2. CANCEL THIS MSG 141800Z OCT.

(120503Z OCT 2004)

1609/04. CANCELED.

- 1610/04(76). SOUTH PACIFIC.  
43 FOOT M/V RAYA, WHITE HULL, TWO PERSONS ON BOARD, UNREPORTED. LAST KNOWN POSITION VICINITY 33-28S 175-58E AT 110819Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND, INMARSAT-C: 4512 00067, PHONE: 644 914 8333, FAX: 644 914 8334 OR TAUPO MARITIME RADIO.  
(120712Z OCT 2004)
- 1611/04(62). PERSIAN GULF. SAUDI ARABIA.  
1. LORAN-C STATION AL MUWASSAM, RATE 8830-Z OFF AIR 0500Z TO 1300Z DAILY 11 THRU 14 OCT.  
2. CANCEL THIS MSG 141400Z OCT.  
(120923Z OCT 2004)
- 1612/04(62). GULF OF OMAN. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 21 THRU 24 OCT VICINITY 23-00N 059-35E.  
2. CANCEL THIS MSG 25 OCT.  
(121118Z OCT 2004)
- 1613/04(GEN). GPS SATELLITE SYSTEM.  
1. PRN 04 UNUSABLE 151430Z TO 160230Z OCT  
2. CANCEL THIS MSG 160330Z OCT.  
(121159Z OCT 2004)
- 1614/04. CANCELED.
- 1615/04(GEN).  
1. HYDROPAC MESSAGES IN FORCE 130800Z OCT 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 1449(61), 1450(61), 1453(63), 1455(63), 1458(62), 1461(63), 1468(71), 1469(83), 1470(76), 1471(75), 1472(74), 1475(22), 1478(61), 1481(96), 1482(83), 1490(63), 1491(63), 1495(74), 1497(75), 1498(83), 1499(83), 1501(74), 1507(74), 1508(76), 1509(76), 1514(62), 1522(62), 1525(22), 1528(62), 1529(74), 1533(71.93), 1538(95), 1539(35), 1540(97), 1541(95), 1542(95), 1547(74), 1548(71), 1549(95), 1550(95), 1551(96), 1552(61), 1553(61), 1559(97), 1563(83), 1565(22), 1569(63), 1575(93), 1576(75), 1577(76), 1579(97), 1587(62), 1588(74), 1589(62), 1592(96), 1594(62), 1596(74), 1597(71), 1598(83), 1599(63), 1600(63), 1601(95), 1602(93), 1603(83), 1604(74), 1605(81), 1606(81), 1607(63), 1608(63), 1609(62), 1610(76), 1611(62), 1612(62), 1613(GEN), 1615(GEN).  
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.  
3. CANCEL HYDROPAC 1122/04, 1281/04, 1380/04, 1381/04, 1493/04, 1580/04, 1595/04.  
(131142Z OCT 2004)
- 1616/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0230Z TO 1130Z 15 THRU 21 OCT IN AREA BETWEEN 14-11.0N 13-51.0N AND 074-27.8E 074-04.5E.  
2. CANCEL THIS MSG 211230Z OCT.  
(131216Z OCT 2004)
- 1617/04(75). TASMAN SEA.  
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V ARGO II IN VICINITY 38-36S 147-05E.  
FIVE MILE BERTH REQUESTED.  
(132147Z OCT 2004)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 14 October 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 14 October 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

## MARINE INFORMATION

## UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION

The National Geospatial-Intelligence Agency (NGA) is in the midst of a hard copy to digital transition program. NGA has statutory requirements to produce and make available safety of navigation data and will continue to meet this obligation to the mariner. The weekly Notice to Mariners is available free of charge to all customers through the Internet on our website. Beginning with Notice to Mariners No. 1, 2005 NGA will no longer print and distribute hard copy versions of this weekly product.

The digital version of the weekly Notice to Mariners is available on the Maritime Safety Information website at <http://pollux.nss.nga.mil/> or through the NGA home page ([www.nga.mil](http://www.nga.mil)). All of the information and data contained in the hard copy Notice is also available on this website. Customers can rely on the same quality of data that the Notice to Mariners provides to the civil and military mariner with the advantages afforded by the Internet. Customers can access daily navigational safety updates and not be hampered by weekly mail deliveries of the hard copy Notice.

## NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand chart distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com)), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions, contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below:

12277	33 <sup>rd</sup> Ed. Oct 2004 NEW EDITION MD-DE-CHESAPEAKE AND DELAWARE CANAL (New edition due to various general changes and new hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:20,000
13003	48 <sup>th</sup> Ed. Oct 2004 NEW EDITION EAST COAST-CAPE SABLE TO CAPER HATTERAS (New edition due to numerous Notice to Mariners changes and new hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:1,200,000/LORAN-C
14881	32 <sup>nd</sup> Ed. Oct 2004 NEW EDITION MI-LAKE HURON-DE TOUR PASSAGE TO WAUGOSHANCE POINT INSETS: Cheboygan Harbor St Ignace Mackinac Island Mackinac City Hammond Bay (New edition due to numerous Notice to Mariners and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C 1:15,000 1:10,000 1:10,000 1:10,000 1:10,000
16081	7 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-SCOTT POINT TO TANGENT POINT (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:48,149
16088	5 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-UTUKOK PASS TO BLOSSOM SHOALS (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,000
16103	5 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-CAPE BEAUFORT (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,000
16121	5 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-EAST OF CAPE LISBURNE (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,000

16598	10 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-KODIAK ISLAND-CAPE IKOLIK TO CAPE KULIUK (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
16708	26 <sup>th</sup> Ed. Sep 2004 NEW EDITION AK-PRINCE WILLIAM SOUND-PORT FIDALGO AND VALDEZ ARM (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:79,281
17335	7 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-PATTERSON BAY AND DEEP COVE (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:20,000

### UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, provides information for all radionavigation systems. The NIS is staffed 24 hours a day, 7 days a week, providing information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM) and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/gps/nanu.htm>). In addition, the NIS investigates all reports of degraded or loss of GPS, DGPS or LORAN-C service. Mariners are encouraged to report all degradation of radionavigation services to the NIS via any of the following: Phone: 703-313-5900, Email: [webmaster@navcen.uscg.mil](mailto:webmaster@navcen.uscg.mil), or on the World Wide Web at <http://www.navcen.uscg.gov>.

### AREA TO BE AVOIDED OFF THE NORTHEAST COAST OF NEW ZEALAND

Affected NGA Charts: 76015, 76030, 76040, 76041, 76050, 76056

The IMO has announced that a new mandatory Area To Be Avoided will come into effect at 0001 GMT 1 December 2004. The area, in the vicinity of Poor Knights Islands, is being created to avoid the risk of pollution and damage to the environment of this sensitive area. All vessels greater than 45 meters in length should avoid this area, with the following exemptions:

- All vessels of the Royal New Zealand Navy;
- All vessels engaged in fishing operations;
- Barges under tow, provided the cargo is not oil or other harmful liquid substances as defined in Annexes I and II of MARPOL 73/78.

The area bound by the shore of the northeast coast of North Island, delineated by mean high water springs, and a line connecting the following geographical positions (WGS 84) is designated as a mandatory area to be avoided:

35° 51.30' S 174° 35.50' E  
 35° 34.55' S 174° 49.20' E  
 35° 29.60' S 174° 50.80' E  
 35° 24.70' S 174° 50.20' E  
 35° 10.20' S 174° 20.10' E

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

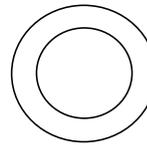
Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).





**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**



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**ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET**

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is hazard remotely monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, list Internet URL where most recent position will be posted (if any): \_\_\_\_\_

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

Date of Insertion \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date of Expected Removal \_\_\_\_\_

Most Recent Observation: Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

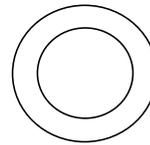
\_\_\_\_\_

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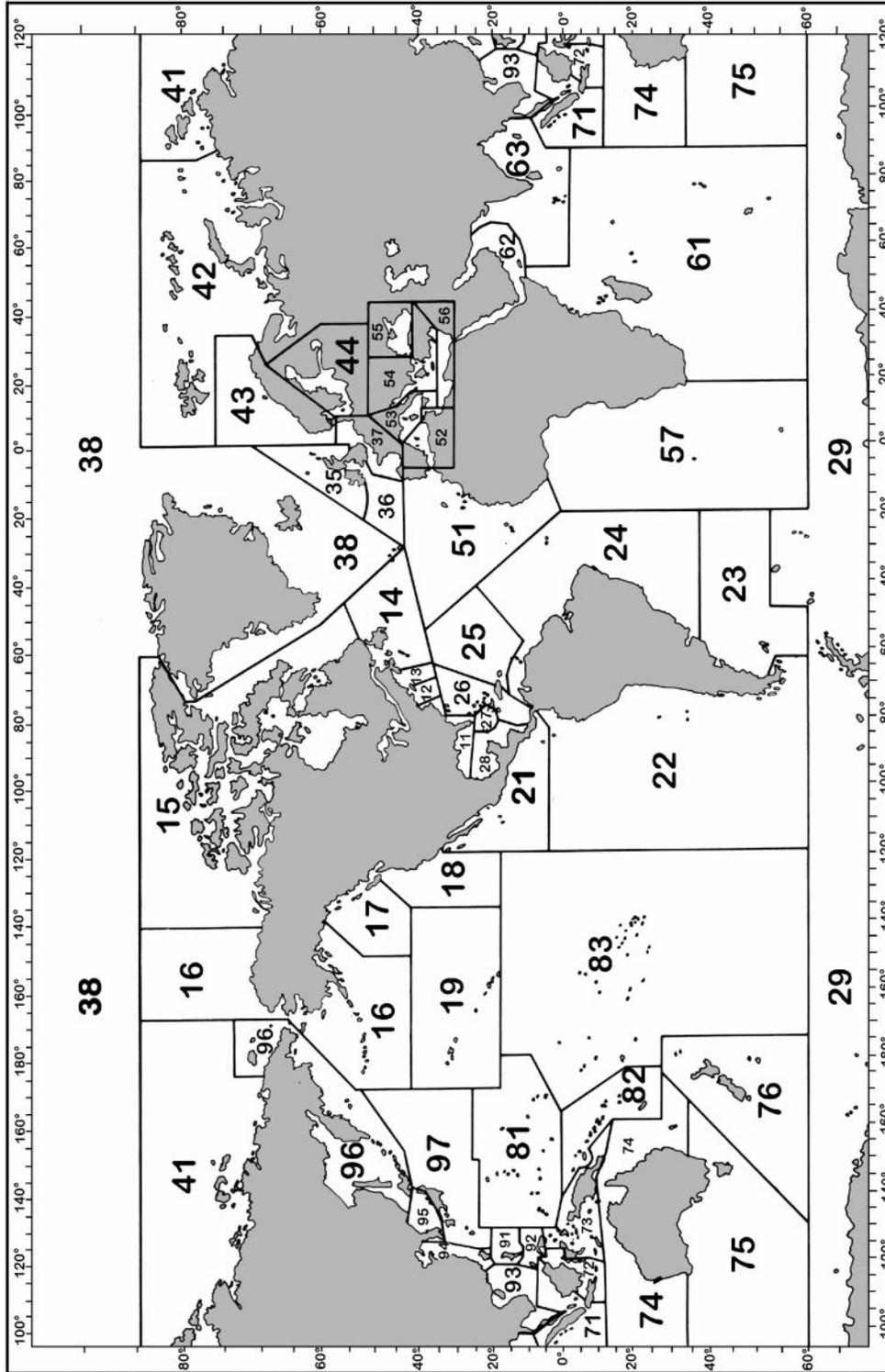
**MARITIME SAFETY INFORMATION DIVISION  
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# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

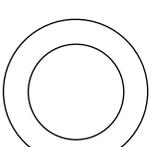
DEFENSE SUPPLY CENTER RICHMOND

ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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NAVIGATIONAL INFORMATION  
TIME—DATED



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**